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**COUNTY OF SAN DIEGO
INTEGRATED BUSINESS AUTOMATION PLAN
FISCAL YEARS 1995/96 THROUGH 1997/98**

INSTITUTE OF GOVERNMENTAL
STUDIES LIBRARY

JUL 2 1996

UNIVERSITY OF CALIFORNIA

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PREFACE

The application of computer and telecommunications-based technologies within the County is a strategic decision. When applied in a cost effective and integrated manner they provide improved County efficiencies leading to enhanced and expanded public service while controlling the cost of services provided. The Department of Information Services was established in part to provide that integrating function and to further provide the Board of Supervisors, through the CAO, with an information system strategic plan representing a County-wide approach to applying computer and telecommunications-based solutions.

This Integrated Business Automation Plan (IBAP) has been compiled from the County's departments, courts and agencies' individual Business Automation Plans (BAPs). These BAPs contain their overall automation strategies and their specific automation plans for the fiscal years of 1995/96, 1996/97 and 1997/98.

The IBAP is a consolidated plan emphasizing integration of current and planned County/departamental systems and data, and other strategic County and departamental opportunities. It is a summary and, as such, does not contain details of each plan. If you are interested in examining a plan in more detail, the individual department BAPs are available for review.

EXHIBIT

The first part of the report is a summary of the work done during the year. It is a very brief summary, but it gives a good idea of the work done. The second part of the report is a detailed account of the work done. It is a very detailed account, but it is also very interesting. The third part of the report is a summary of the results of the work. It is a very brief summary, but it gives a good idea of the results of the work.

The fourth part of the report is a summary of the conclusions of the work. It is a very brief summary, but it gives a good idea of the conclusions of the work. The fifth part of the report is a summary of the recommendations of the work. It is a very brief summary, but it gives a good idea of the recommendations of the work.

The sixth part of the report is a summary of the future work. It is a very brief summary, but it gives a good idea of the future work. The seventh part of the report is a summary of the acknowledgments of the work. It is a very brief summary, but it gives a good idea of the acknowledgments of the work. The eighth part of the report is a summary of the references of the work. It is a very brief summary, but it gives a good idea of the references of the work.

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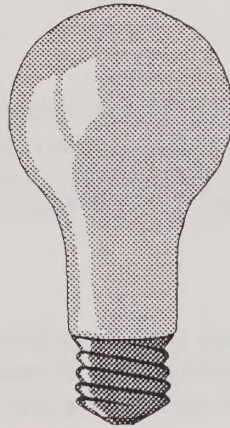
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INTEGRATED BUSINESS AUTOMATION PLAN

AUTOMATION STRATEGIES



INTEGRATED A CURRICULUM AUTOMATION PLAN

AUTOMATION STRATEGIES



AGRICULTURE, WEIGHTS & MEASURES

The Department's overall automation strategy falls into three broad categories: 1) A phased expansion of network workstations, field data collection devices and peripherals. 2) Network connectivity to our remote offices, other County departments, and the mainframe. 3) Continue to develop new and enhance existing software applications.

AIR POLLUTION CONTROL DISTRICT

APCD's overall automation strategy for the next three fiscal years is to continue to upgrade and improve the database system and allow staff access to office automation tools and District databases on their desktops; provide all required scientific modeling and graphics support for District planning needs; and to upgrade the real-time data acquisition system to meet new data collection and analysis requirements.

ALTERNATE DEFENSE COUNSEL

The basic strategy will be to reduce the average cost per case and improve the interface with panel attorneys relative to timely bill processing while retaining a high degree of cost validation.

ALTERNATE PUBLIC DEFENDER

It is the objective of this department to automate any appropriate tasks, systems and procedures for the management of activities. Effective control of expenses is critical. Effective uses of automation will be identified, evaluated and implemented. This would include access to REJIS and the Criminal Justice System.

ANIMAL CONTROL

Continue to identify and make needed enhancements to Chameleon. Continue development of PC-based applications for Shelter Management services. Expand Office Automation Programs at all shelter locations. Continue investigation/feasibility for Mobile Data Terminals (MDT) for all Field Patrol Staff. Continue to provide automation tools for all staff members including clerical staff, field officers, etc.

AREA AGENCY ON AGING

AAA's overall automation strategy for the next three fiscal years is to achieve a staff-to-microcomputer ratio of 1:1, and to integrate all existing stand alone microcomputer systems into one interconnected Local Area Network with access to the County's enterprise network.

ASSESSOR

The Assessor/Recorder/County Clerk's Office overall automation strategy is to continue to apply proven state-of-the-art technology when it offers a cost effective way to increase staff productivity and provide a higher level of service to the public.

AUDITOR & CONTROLLER

The overall automation strategy for the Auditor and Controller for the next three years is to continue to upgrade or replace obsolete major county-wide fiscal systems, such as the Property Tax, Budget Preparation, and Accounting and Resource Management systems. In addition, the Auditor and Controller will continue to integrate personal computers and other office automation into the daily routines of the department to enhance communication and increase efficiency.

BOARD OF SUPERVISORS

The overall automation strategy of the Board is to continue to build on the CAO network. At present, support for services in the District is provided by DIS in a campus-based format. The choice of compatible and easily maintainable systems is required. The numbers and kinds of systems must be reduced and fast reliable connectivity within each District is essential. Additionally, the advent of Enterprise Mail and the ability to quickly communicate, transfer documents and images between departments and the Board needs to be further analyzed.

CHIEF ADMINISTRATIVE OFFICE

Focus on realizing cost benefits, operational efficiencies, and improved County services through increased automation, computer-aided product support, and communications connectivity.

ADMINISTRATIVE SERVICES

The overall strategy in the next three years will be to automate as many of the processes in Administrative Services as possible in order to become more efficient.

CITIZENS LAW ENFORCEMENT REVIEW BOARD (CLERB)

Utilization of existing hardware and software will increase as the caseload grows.

COMMISSION ON CHILDREN AND YOUTH

This office will develop the ability to expand data collection and evaluate the data as necessary.

EXECUTIVE OFFICES

The EO's investment in automation will be preserved through periodic equipment upgrades and increased utilization of existing hardware and software.

HUMAN RELATIONS COMMISSION

The Commission will acquire funding for automation research and automation acquisitions necessary to meet their needs.

OFFICE OF DISASTER PREPAREDNESS

Provide LAN/WAN capability to allow ODP to lead the state in developing new and innovative solutions in the demand for increased services and more efficient, faster information exchange. The LAN/WAN will help ensure connectivity between ODP and OES/FEMA during emergencies.

OFFICE OF INTERGOVERNMENTAL AFFAIRS

As demands increase, OIA will rely more heavily on the automation of its programs to keep pace, and on the cost savings realized by sharing data, applications, and equipment.

OFFICE OF PUBLIC AFFAIRS

Acquire the equipment and software necessary to produce and receive information.

OFFICE OF SPECIAL PROJECTS

The Office of Special Projects' overall automation strategy for the next three fiscal years is to replace outdated equipment, expand data access capabilities, and provide software and training to achieve maximum productivity and responsiveness.

VETERAN SERVICES

The Veterans Service Office overall strategy for the next three fiscal years is to achieve staff-to-microcomputer ratio of 1:1, and to integrate all existing stand alone microcomputer systems into one interconnected LAN with access to the County's enterprise network and access to the California Department of Veterans Affairs in Sacramento and other County Veterans Service offices.

CIVIL SERVICE COMMISSION

Time and staff levels permitting, additional training will be made available to staff.

CLERK OF BOARD

The Clerk of the Board's automation strategy for the next three fiscal years is to achieve a staff-to-microcomputer ratio of 1:1, to network COB LAN applications with other County departments, and to investigate possible applications and integration of emerging technologies such as image processing and CD-ROM data storage.

COUNTY COUNSEL

Continue to increase County Counsel staff automation knowledge and skills to enable them to better perform their duties. County Counsel plans to extend the LANs to all professional staff and interconnect all LANs to the County's network.

DISTRICT ATTORNEY

The District Attorney's overall strategic automation strategy is to use automation to assist in the prosecutorial function. The goal of the District Attorney's Office is to provide workstation resources for all attorneys and appropriate support staff to automate litigation, case tracking, and administrative functions.

EQUAL OPPORTUNITY MANAGEMENT OFFICE

EOMO's overall automation strategy for the next three years is to achieve a department staff-to-microcomputer ratio of 1:1 and to integrate all existing and anticipated microcomputer systems into one interconnected Local Area Network. Provide LAN access to the County's enterprise network, mainframe facilities, access to CALTRANS, and other local agencies' Minority and Women Business Enterprise (MWBE) files.

FARM & HOME ADVISOR

Farm and Home Advisor's overall automation strategy for the next three fiscal years is to achieve a staff-to-microcomputer ratio of 1:1, and to integrate all existing stand-alone microcomputer systems into one interconnected Local Area Network with access to the County's enterprise network and mainframe facilities.

GENERAL SERVICES

The Department of General Services' overall automation strategy for the next three fiscal years is to provide the optimum platform for management and staff access to information, management reporting, and productivity improvement tools. The Department's Local Area Network will serve as the focal point with access to the County's enterprise network. Application needs will continue to be assessed and solutions developed using departmental standalone systems, the LAN, or County mainframe system applications. County mainframe terminals and printers will be replaced wherever and whenever possible with LAN-based equipment.

GRAND JURY

The Grand Jury will implement electronic storage and retrieval to process Grand Jury reports, correspondence and contact management. Software and equipment upgrades will be planned.

HEALTH SERVICES

Health Services' long range automation strategies are: to implement a Medi-Cal Managed Care Information System; provide office automation to all staff in executive, administrative and clerical positions; integrate all workstations and existing microcomputer LANs into one departmental network; implement voice mail in all departmental offices; upgrade and enhance all current applications and procedures; develop a central patient/client index across service settings; interface the departmental network with the County network; research and when cost/effective, implement new automation technologies such as client/server, imaging, and voice recognition.

HOUSING & COMMUNITY DEVELOPMENT

HCD plans to meet increasing demand for services by maximizing automation and minimizing staff growth. Automation strategies include a LAN workstation ratio of 1:1, the use of voice mail, voice response, on-line payroll, and on-line requisitions.

HUMAN RESOURCES

Human Resources' overall automation strategy for the next three fiscal years is to provide all DHR employees access to department and County information and resources, keep current with technological advances which aid DHR functionally and improve the services provided to its customers.

INFORMATION SERVICES

DIS's overall automation strategy is to provide the leadership and support for automation efforts to all County departments.

LOCAL AREA FORMATION COMMISSION

Hardware purchases and individual training will be directed towards achieving a uniform electronic environment. Emphasis will be placed on staff training to create homogeneous staff skills.

LIBRARY

The Library intends to research microcomputer-based CD-ROM drives for data storage and retrieval at branch facilities, upgrade to Windows-based software on the existing LAN, and continue the automation of various manual activities throughout the department.

MARSHAL

The Marshal's overall strategy for automation includes provision of intelligent workstations, office automation products and tools, database products and tools, and IBM-host and mid-range resident data for use by executive management, divisional management, their direct support staffs, and field officers. Key to the strategy is the Marshal's intent to assist, support, and utilize the Municipal Court regional network systems and facilities, remaining in sync with both the courts and the County as a whole.

MEDICAL EXAMINER

Automation has become an integral part of the functioning of the Medical Examiner's Office. It is our goal to maintain and enhance the Decedent Database system to assure it supports the requirements of the department and the public which it serves. Further automation options, including voice, data and video technologies, will be pursued to continue streamlining Medical Examiner operations.

MUNICIPAL COURTS

The overall automation strategy for the Municipal Courts is to replace the existing case processing and calendaring system to move the Courts to a paperless system. These changes will improve productivity by eliminating redundant activities. The major emphasis will be to begin to address the more specific needs of the Law and Justice Community and participate in Integrated Law and Justice solutions.

PARKS & RECREATION

The strategy is to provide automation and systems that are networked to facilitate effective information exchange for the remote locations of most of the department's regional parks, the maintenance headquarters, and the functional areas within administration. The department needs a LAN with mainframe access and connection to regional parks. Additional Fax machines and electronic cash registers are needed to improve productivity.

PLANNING & LAND USE

Planning's automation concepts propose a network of hubs/nodes which will group users by either logical work group or workload. Phased expansion of network workstations and peripherals will provide needed equipment for each work desk. The network was proposed to provide a gateway to a variety of minis and mainframes where needed applications reside. DPLU's automation concept also provides for data storage and manipulation of RUIS information.

PROBATION

The overall automation strategy of the department is to continue to build on the Probation DEC network until all 20 facilities are on line and all major applications are available on the VAX. To manage increasing demand for services, the currently automated systems must be upgraded and the manual systems must be automated.

PUBLIC ADMINISTRATOR

The Public Administrator/Public Guardian's overall automation strategy is to increase communication and coordination with the Chief Administrative Officer, other County departments, and the State-wide Public Administrator/Public Guardian/Public Conservator offices.

PUBLIC DEFENDER

The overall automation strategy of the Public Defender is to maximize the productivity of the attorney, investigator, clerical, and administrative staff through the development and implementation of aggressive and cost effective office automation.

PUBLIC WORKS

The goal of the Department of Public Works (DPW) automation effort is to improve efficiency and productivity of staff through use of computer hardware and software in a planned manner. Public Works will continue to upgrade their hardware and software as required to meet growing demand. This will involve upgrades to the central departmental computer system and the installation of additional microcomputers and LANs. Full integration of LANs, microcomputers, minicomputers, and DIS mainframe-based systems is a high priority. Many future strategic information systems will be built around desktop end user computer systems, with training and support from the DPW's EDP Services section. DPW will continue to expand the support of microcomputer applications.

PURCHASING & CONTRACTING

Purchasing and Contracting's overall automation strategy for the next three fiscal years is to establish and fill a Purchasing Automation Support (PAS) Supervisor position, complete a phased implementation of the Purchasing Systems Enhancement Project, replace obsolete microcomputers with Windows-capable workstations, continue to upgrade PC software to the latest releases, and obtain a staff-to-microcomputer ratio of 1:1. A satellite warehouse at the East Mesa Detention Facility Warehouse connected to the County Stores Inventory Control System is planned.

REGISTRAR OF VOTERS

The Registrar of Voters (ROV) overall automation strategy is to continue being a technological leader in elections, through installation of LAN's, image processing and communications technology. ROV will provide expanded information services to the registered voters of the community, as well as candidates, campaign services organizations, media and other governmental agencies through increased computer capacity and enhanced software capabilities. ROV will continue to use technology to meet increasing demands in a more cost effective manner.

REVENUE & RECOVERY

Revenue & Recovery's overall automation strategy is to provide better services to the community and to recapture greater amounts of revenue for the County of San Diego through continued expansion of automation tools. R&R anticipates an increased administrative efficiency through continued automation and standardization of staff procedures, management reporting, and analysis functions.

SHERIFF

The Department will update its Master Plan for Automation. The update will focus on evaluating and planning for the use of new technology, and assuring that all existing and planned components of the Department's system are fully integrated from the users' point of view. In the area of new technology, emphasis will be on the use of electronic imaging in the Department. As part of this effort, techniques for gathering feedback from users and for measuring the effectiveness of the system will be developed and put in place in the Department. The Sheriff's network will be expanded to the entire Department with sufficient devices to support all offices.

SOCIAL SERVICES

The Department of Social Services will continue to operate in a distributed environment. The Department will concentrate on operational efficiencies and improved County services through increased automation, computer-aided product support, and communications connectivity.

SUPERIOR COURT

The Superior Court's automation strategy is focused on the creative use of technology to improve the processing and analysis of information. Technology goals and objectives have been formally adopted and include development of a technological infrastructure that facilitates court-wide computing and communication with particular emphasis on the need to exchange information with local, state and national agencies, implementation of case management, case tracking and other ancillary systems.

TREASURER-TAX COLLECTOR

The Treasurer-Tax Collector's automation strategies involve all functional areas of the department and cover all areas of automation. Plans include an Automated Imaging system for the UNISYS minicomputer system, conversion of the current secured property tax system to a full ADABASE/NATURAL system, development of new applications and expansion of LAN systems, integration with financial institutions and other systems throughout the United States. Additional microcomputer hardware/software will be purchased and staff will be trained and/or reclassified as appropriate to provide expanded service to the public.



INTERACTIVE BUSINESS DEVELOPMENT

- The Integrated Business Automation Plan is a strategic framework for managing and automating business processes.

PHASES OF IMPLEMENTATION (Phases 1, 2, 3, 4, 5, 6, 7, 8, 9, 10)

- The Integrated Business Automation Plan is a strategic framework for managing and automating business processes. It is a comprehensive plan that covers all aspects of the business, from the core business processes to the support functions. The plan is designed to be a living document that is updated as the business evolves and new opportunities arise.

KEY SUCCESS FACTORS

BUSINESS PROCESS RE-ENGINEERING PLANS

MANAGEMENT GOALS

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BUSINESS PROCESS RE-ENGINEERING PLANS



ALTERNATE PUBLIC DEFENDER

- Plan and implement re-engineering and process streamlining.

BOARD OF SUPERVISORS (Districts 1, 2, 3, and 4)

- The Board must continue to lead the way in development and implementation of new ways of doing business. The intent is to develop long range work plans and acquire sufficient hardware for full implementation. These plans will evaluate every task currently being performed within the office and identify opportunities to upgrade and enhance the process.

GENERAL SERVICES

- A management improvement unit will be established to provide recommendations for department organizational design and to implement organization development techniques. This would involve re-engineering business processes, streamlining work flows, and automating manual work efforts. This unit will include the existing Information Systems Support section and will use outside facilitators with the expertise to perform the work and data flow analyses and prepare implementation plans.

MUNICIPAL COURTS

- The Municipal Court needs to perform workflow analysis on key Public Service Counter activities, and use this analysis to determine the ergonomic and productivity implications of the current Counter system. As new systems are implemented, the Courts should see a fundamental change in the nature of the processing of paperwork with the Court.

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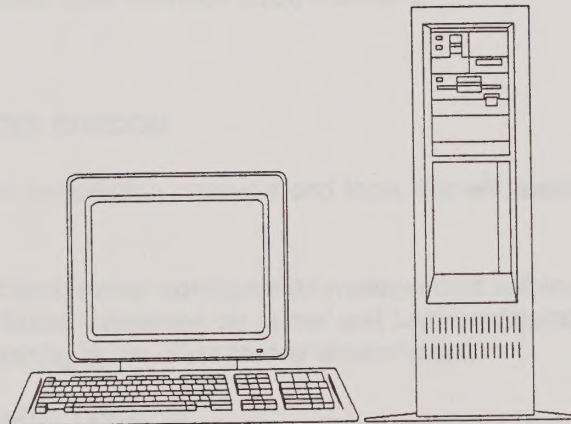
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INTEGRATED BUSINESS AUTOMATION PLAN

CLIENT SERVER APPLICATION PLANS



REPORT THE RESULTS OF YOUR TEST

CLIENT SERVER APPLICATION PLAYS



CLERK OF THE BOARD

- The Clerk of the Board will participate in a pilot program to re-engineer the current Assessment Appeals System as a client/server application.

DISTRICT ATTORNEY

- Investigate client/server technology to produce a system which will allow DA staff to access information stored within the JURIS and complaint generation systems, and deliver this information to the desktop in an easily usable form.

HEALTH SERVICES

- Continue to migrate to client/server technology by working with DIS and other strategic partners based on appropriate software and on the County-wide direction set by the Department of Information Services.
- Develop a microcomputer LAN-based mapping system for Environmental Health Services using client/server technology and graphical mapping software. The system will combine graphical mapping software with the site-specific field data such as hazardous materials sites and mosquito breeding sites.

HOUSING AND COMMUNITY DEVELOPMENT

- Evaluate the opportunity to upgrade HCD's mainframe system (CHAMP) to a client/server based application with a Graphic User Interface (GUI) front-end.

INFORMATION SERVICES

APPLICATION SERVICES DIVISION

- Acquire and implement workstation products and tools that will assist in client/server application development.
- Evaluate and acquire client/server configuration management software to assist in management of programs and distributed databases on server and LAN configurations. It may also manage software product versioning in the client/server environment.

NETWORK MANAGEMENT DIVISION

- Develop design standards to support County client/server computing.

REGISTRAR OF VOTERS

- The Registrar's Office needs to plan for the replacement of the Data General MV30000 computer system. A client/server based configuration will be targeted. This configuration would utilize UNIX, Windows NT and Windows for Workgroups operating systems to drive the Election Management System, ballot counting and office automation. ROV's current Election Management System is already operating successfully in an SCO UNIX environment in several other county election offices. The department's software vendor is currently developing software that will run under Microsoft's Windows NT Server operating system, utilizing SyBase SQL/Server.

CONCEPTS AND DEFINITIONS

- The term "health" is a complex concept. It is not just the absence of disease, but a state of complete physical, mental, and social well-being.

HEALTHY LIFESTYLE

- A healthy lifestyle is one that promotes overall health and well-being. It includes regular exercise, a balanced diet, adequate sleep, and stress management.

HEALTH SERVICES

- Health services are the various services provided to individuals to maintain or improve their health. These include preventive care, diagnosis, treatment, and rehabilitation.
- The health system is the organization of health services. It includes the government, private sector, and community-based organizations.

HEALTH AND COMMUNITY DEVELOPMENT

- Health and community development are closely linked. Community development focuses on improving the social and economic conditions of a community, which in turn leads to better health outcomes.

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HEALTHY LIFESTYLE

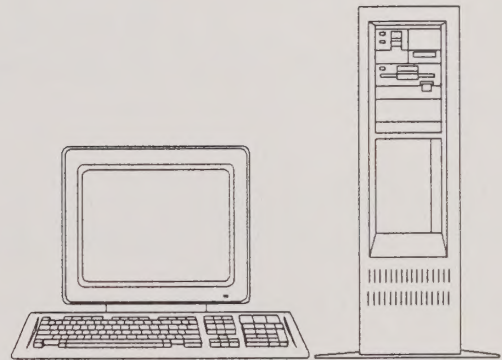
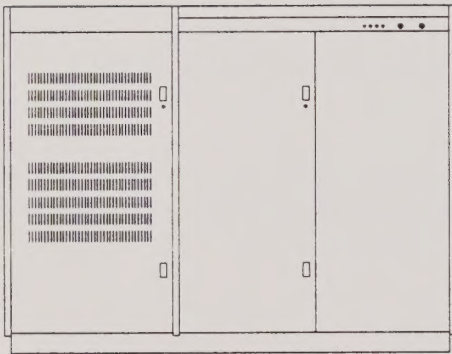
- The health system is the organization of health services. It includes the government, private sector, and community-based organizations.
- A healthy lifestyle is one that promotes overall health and well-being. It includes regular exercise, a balanced diet, adequate sleep, and stress management.

On the bottom right, insert the new Model Number. The (CNY) equipment number is the
equipment identification code. It is a 10 digit alphanumeric code. The first four digits are
assigned to the equipment and the last six digits are assigned to the specific model number. The
first digit is always 0.

INTEGRATED BUSINESS AUTOMATION PLAN

A plan of IBM's integrated business automation and how it integrates with IBM's

HARDWARE INVENTORY



Hardware Inventory

HARDWARE INVENTORY



BAP EQUIPMENT INVENTORY

On the following pages, you will find the Business Automation Plan (BAP) equipment inventory. In this inventory, workstations refer to IBM or Apple compatible microcomputers that are used directly by employees in the performance of their jobs. Workstation counts do not include microcomputers used as file servers, gateways, etc.

- San Diego County has a total of 6,758 microcomputers.
- 6,339 of those microcomputers are used as employee workstations.



THE NUMBER OF MICROCOMPUTERS IN THE COUNTY OF SAN DIEGO IN 1991 WAS 6,758. OF THESE, 6,339 WERE USED AS EMPLOYEE WORKSTATIONS. THE INVENTORY OF MICROCOMPUTERS IN THE COUNTY OF SAN DIEGO IN 1991 WAS 6,758. OF THESE, 6,339 WERE USED AS EMPLOYEE WORKSTATIONS. THE INVENTORY OF MICROCOMPUTERS IN THE COUNTY OF SAN DIEGO IN 1991 WAS 6,758. OF THESE, 6,339 WERE USED AS EMPLOYEE WORKSTATIONS.

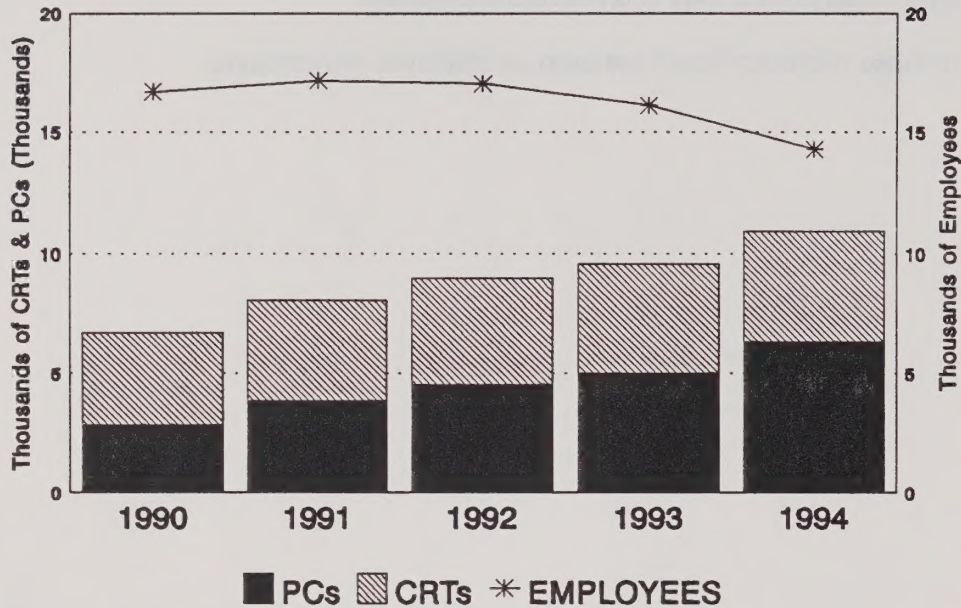
FOR THE YEAR 1991, THE COUNTY OF SAN DIEGO HAS A TOTAL OF 6,758 MICROCOMPUTERS. OF THESE, 6,339 WERE USED AS EMPLOYEE WORKSTATIONS. THE INVENTORY OF MICROCOMPUTERS IN THE COUNTY OF SAN DIEGO IN 1991 WAS 6,758. OF THESE, 6,339 WERE USED AS EMPLOYEE WORKSTATIONS. THE INVENTORY OF MICROCOMPUTERS IN THE COUNTY OF SAN DIEGO IN 1991 WAS 6,758. OF THESE, 6,339 WERE USED AS EMPLOYEE WORKSTATIONS.

YEAR	1987	1988	1989	1990	1991	TOTAL
EMPLOYEE WORKSTATIONS	2,500	3,500	4,500	5,500	6,000	22,000
OTHER MICROCOMPUTERS	0	0	0	0	0	0
TOTAL	2,500	3,500	4,500	5,500	6,000	22,000

AUTOMATION ENVIRONMENT

PCs + CRTs AND EMPLOYEES

COUNTY OF SAN DIEGO



BAPINV1 DATA SOURCE: BUSINESS AUTOMATION PLANS & COUNTY PAYROLL PRODUCED BY: DIS/AMD

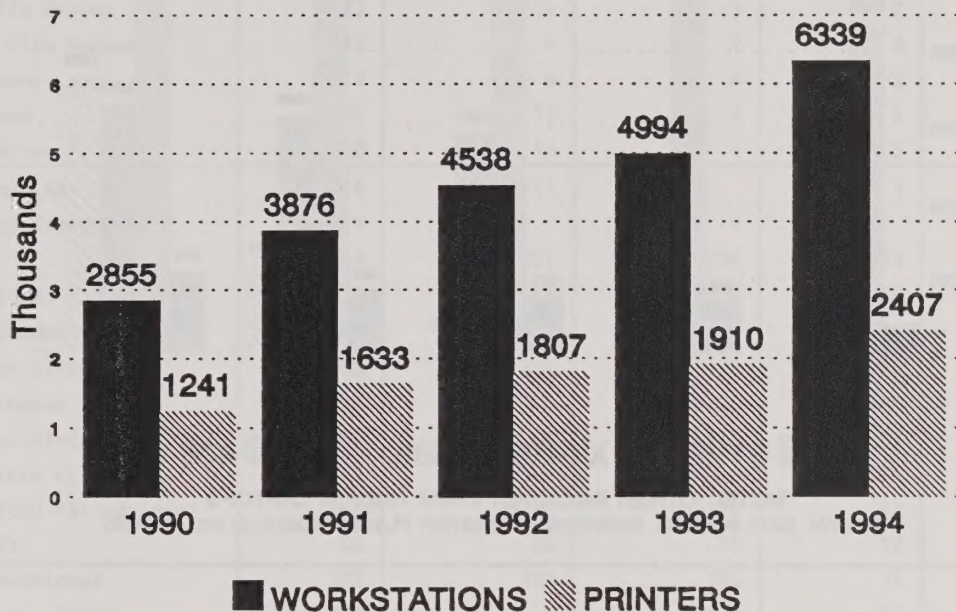
THE COUNTY OF SAN DIEGO IS INCREASING THE INVENTORY OF AUTOMATION EQUIPMENT WHILE HALTING THE GROWTH IN PERMANENT EMPLOYEES.

AT THE END OF FY 93-94, THE COUNTY HAD:

- 6,339 MICROCOMPUTER WORKSTATIONS (26.9% MORE THAN JUNE 1993)
- 4,573 CRT TERMINALS (0.4% LESS THAN JUNE 1993)
- 14,279 PERMANENT EMPLOYEES (11.4% LESS THAN JUNE 1993)

	1990	1991	1992	1993	1994	% CHANGE
MICRO-WORKSTATIONS	2,855	3,876	4,538	4,994	6,339	26.9%
CRT TERMINALS	3,580	4,186	4,438	4,592	4,573	-0.4%
PERMANENT EMPLOYEES	16,687	17,150	17,022	16,108	14,279	-11.4%

MICRO-COMPUTER EQUIPMENT TRENDS COUNTY OF SAN DIEGO



BAPINV3 DATA SOURCE: BUSINESS AUTOMATION PLANS PRODUCED BY: DIS/AMD

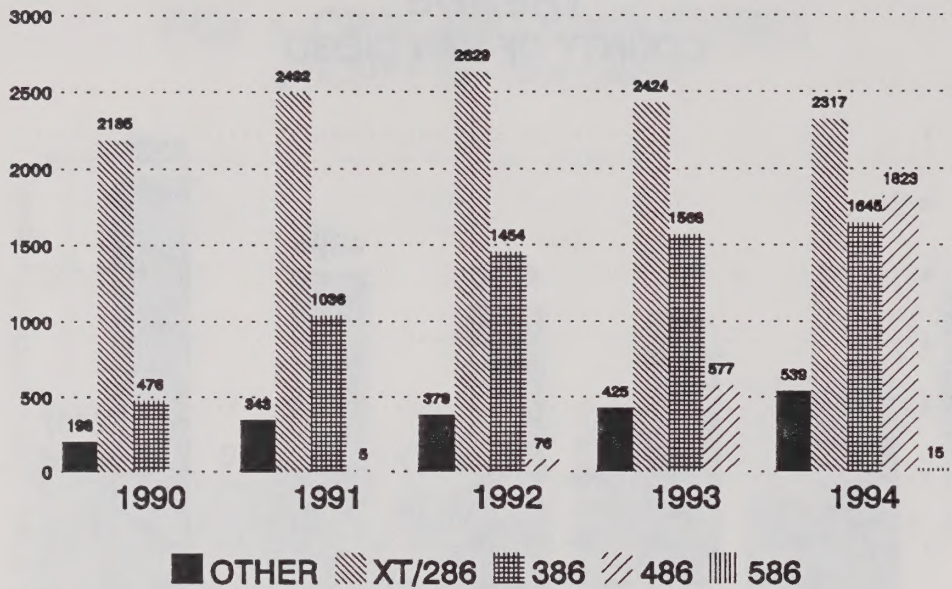
- THE NUMBER OF MICROCOMPUTER WORKSTATIONS EXCEED THE NUMBER OF CRT TERMINALS IN USE AT THE COUNTY.

(WORKSTATIONS = 6,339 CRTs = 4,573)

FOR THE 6,339 MICROCOMPUTER WORKSTATIONS AND 2,407 MICROCOMPUTER PRINTERS IN USE AT THE COUNTY:

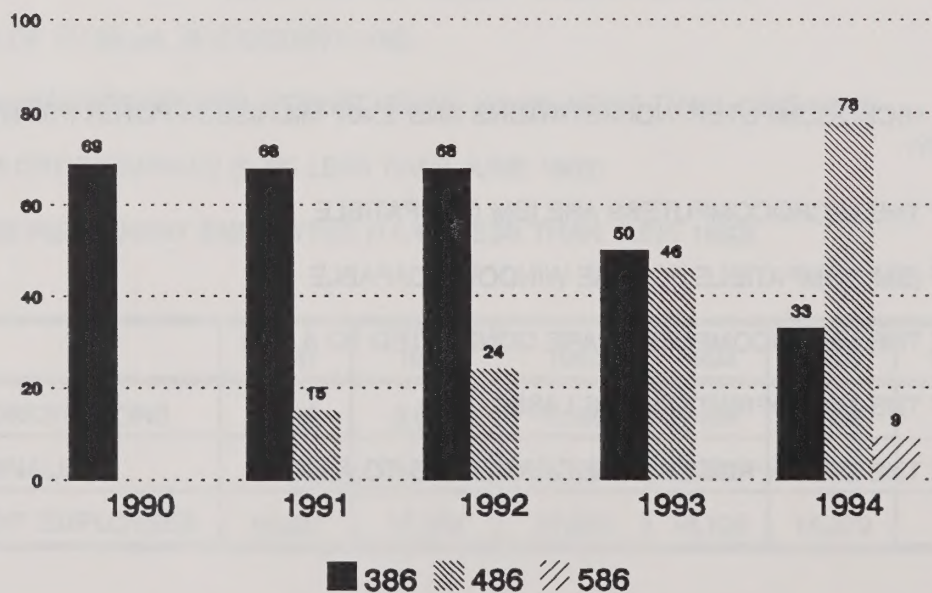
- 97% OF THE MICROCOMPUTERS ARE IBM COMPATIBLE
- 11% OF IBM COMPATIBLE PCs ARE WINDOWS-CAPABLE
- 73% OF THE MICROCOMPUTERS ARE CONNECTED TO A LAN
- 66% OF THE MICROPRINTERS ARE LASER, AND
- 55% OF THE MICROPRINTERS ARE CONNECTED TO A LAN

WORKSTATIONS BY MICROPROCESSOR TYPE COUNTY OF SAN DIEGO



NOTE: OTHER INCLUDES MACS AND/OR LAPTOPS
BAPINV4 DATA SOURCE: BUSINESS AUTOMATION PLANS PRODUCED BY: DIS/AMD

FILE SERVER ('IBM-PC') BY MICROPROCESSOR TYPE COUNTY OF SAN DIEGO



BAPINV5 DATA SOURCE: AUTOMATION BUSINESS PLANS PRODUCED BY: DIS/AMD

COUNTY OF SAN DIEGO

COMPUTER EQUIPMENT INVENTORY AS OF NOVEMBER 1994

EQUIPMENT	COUNTY TOTAL	PUBLIC PROTECTION SERVICES	HEALTH & SOCIAL SERVICES	COMMUNITY SERVICES	GENERAL GOV'N	SUPPORT SERVICES
LAN (Novell)	75	27	18	8	11	11
LAN (Other)	62	50	1	9	1	1
WAN	63	31	7	10	6	9
LAN Super Server	2	1				1
LAN Pentium File Server	7	3		2	2	
LAN (486) File Server	78	33	21	7	7	10
LAN (386) File Server	33	14	5	7		7
LAN (Other) File Server	18	4	1	8	4	1
LAN SNA Gateway	19	6	4	3		6
LAN SAA Access	34	11	2	4	9	8
LAN Modem Server	28	16	4	3	2	3
P-5 (Pentium) LAN	14	11		3		
P-5 (Pentium) Standalone	1		1			
486 (LAN)	1548	971	134	173	88	182
486 (Standalone)	275	53	119	46	52	5
386 (LAN) Windows Capable	603	364	66	37	38	98
386 (LAN) Non Windows	735	236	192	155	63	89
386 (SA) Windows Capable	78	8	20	26	21	3
386 (SA) Non Windows	229	48	106	53	2	20
286 or XT Micro (LAN)	1471	506	249	274	273	169
286 or XT MICRO (Standalone)	846	98	570	81	56	41
Laptop (LAN)	96	34	35	12	8	7
Laptop (Standalone)	273	122	106	13	16	16
MacIntosh/Apple (LAN)	135		3	131		1
MacIntosh/Apple (Standalone)	35		10	9	12	4
TOTAL WORKSTATIONS	6339	2451	1611	1013	629	635
Laser Printer (LAN)	1146	650	138	119	145	94
Laser Printer (Standalone)	432	98	219	51	46	18
Dot Matrix/Daisy (LAN)	134	30	85	6	4	9
Dot Matrix/Daisy (Standalone)	482	102	219	98	26	37
Ink Jet (LAN)	43	12	25		3	3
Ink Jet (Standalone)	170	119	30	14	2	5
Micro Plotter	29	5	5	10	5	4
Micro Modem	776	138	281	202	63	92
Micro Scanner	54	12	15	14	10	3
Fax Server	21	6	1	3	10	1
Fax (Standalone)	347	131	77	70	36	33
Fax Board (Internal)	101	29	42	3	8	19
Dept Computer (Large)	21	4	8	4	1	4
Dept Computer (Other)	629	604	15	7	3	
Department Terminal	3441	959	1915	280	257	30
Dept Printer (Laser)	218	94	46	49	25	4
Dept Printer (Impact)	409	104	255	10	34	6
Mainframe Computer	1					1
Mainframe Terminal	1132	582	25	56	185	284
Mnfrm Laser Printer	37	6		2	19	10
Mnfrm Impact Printer	74	206	3	7	3	55

Source: FY 95 through 98 Business Automation Plans

November 1994

COUNTY OF SAN DIEGO

COMPUTER EQUIPMENT INVENTORY AS OF NOVEMBER 1994

COUNTY DEPARTMENTS

EQUIPMENT	PUBLIC PROTECTION SERVICES	ADC	APD	DAX	GJU	MAR	MCX	PRB	PDF	SHR	SUP
LAN (Novell)	27	1	1	12		1	9		2		1
LAN (Other)	50									18	32
WAN	31						9		2	19	1
LAN Super Server	1										1
LAN Pentium File Server	3			3							
LAN (486) File Server	33	1	1	8			8		2		13
LAN (386) File Server	14		2	3		1	2		2		4
LAN (Other) File Server	4									4	
LAN SNA Gateway	6		2	1					1	2	
LAN SAA Access	11		1	1		1	3		1		4
LAN Modem Server	16		2	1					5		8
P-5 (Pentium) LAN	11			3			6			2	
P-5 (Pentium) Standalone											
486 (LAN)	971	2	13	360	9	37	211		9	130	200
486 (Standalone)	53		1	30		1	20	1			
386 (LAN) Windows Capable	364			40		51	113		14	33	113
386 (LAN) Non Windows	236	12	9	20			30			70	95
386 (SA) Windows Capable	8			5		2		1			
386 (SA) Non Windows	48		1	5			30	10	2		
286 or XT Micro (LAN)	506	1	18	180			27		43	9	228
286 or XT Micro (Standalone)	98	3	2	5			40	17	26		5
Laptop (LAN)	34		4	4			13			6	7
Laptop (Standalone)	122		1	2		3	8		1	75	32
MacIntosh/Apple (LAN)											
MacIntosh/Apple (Standalone)											
TOTAL WORKSTATIONS	2451	18	49	654	9	94	498	29	95	325	680
Laser Printer (LAN)	650	5	13	130	2	35	128		17	179	141
Laser Printer (Standalone)	98		2	30		2	21	17	13	5	8
Dot Matrix/Daisy (LAN)	30					9	2			14	5
Dot Matrix/Daisy (Standalone)	102	1					1	7	5	10	78
Ink Jet (LAN)	12						12				
Ink Jet (Standalone)	119			3			20			3	93
Micro Plotter	5						1	1		1	2
Micro Modem	138	4	15	15		12	35	5	12	40	
Micro Scanner	12		1	2		2	1	1	1	1	3
Fax Server	6						4			1	1
Fax (Standalone)	131	4	5	11		10	5	10	8	64	14
Fax Board (Internal)	29		3	2		1	8	4		11	
Dept Computer (Large)	4			3							1
Dept Computer (Other)	604						5			592	7
Department Terminal	959			30		19	533	321			56
Dept Printer (Laser)	94			16		6	35	37			
Dept Printer (Impact)	104			12			92				
Mainframe Computer											
Mainframe Terminal	582	1		64		55	85	62	2	280	33
Mnfrm Laser Printer	6			5			1				
Mnfrm Impact Printer	206			40		25	11	13		110	7

Source: FY 95 through 98 Business Automation Plans

November, 1994

COUNTY OF SAN DIEGO

COMPUTER EQUIPMENT INVENTORY AS OF NOVEMBER 1994

EQUIPMENT	HEALTH & SOCIAL SRVS	COUNTY DEPARTMENTS			SUPP SVSC	COUNTY DEPARTMENTS						
		AAA	DHS	DSS		CSC	DHR	DIS	EOM	GEN	PUR	REV
LAN (Novell)	18	1	13	4	11		3	3		2	1	2
LAN (Other)	1	1			1			1				
WAN	7		3	4	9		2	3		2	1	1
LAN Super Server					1			1				
LAN Pentium File Server												
LAN (486) File Server	21	2	16	3	10		2	6		1		1
LAN (386) File Server	5		3	2	7		1	3		1	1	1
LAN (Other) File Server	1			1	1			1				
LAN SNA Gateway	4	1	2	1	6		2	3			1	
LAN SAA Access	2			2	8		2	3		2		1
LAN Modem Server	4	1	3		3			1		2		
P-5 (Pentium) LAN												
P-5 (Pentium) Standalone	1		1									
486 (LAN)	134	15	83	36	182	4	12	128		37	1	
486 (Standalone)	119	19	41	59	5			4		1		
386 (LAN) Windows Capable	66	1	65		98		54	31	2	9	2	
386 (LAN) Non Windows	192	8	136	48	89			10		31		48
386 (SA) Windows Capable	20		20		3			2		1		
386 (SA) Non Windows	106	27	32	47	20		1	10		3		6
286 or XT Micro (LAN)	249	37	207	5	169	2	59	16	5	32	40	15
286 or XT Micro (Standalone)	570	50	321	199	41			20		20		1
Laptop (LAN)	35		35		7			5		1	1	
Laptop (Standalone)	106		79	27	16		4	8		4		
MacIntosh/Apple (LAN)	3	3			1			1				
MacIntosh/Apple (Standalone)	10	1	4	5	4			4				
TOTAL WORKSTATIONS	1611	161	1024	426	635	6	130	239	7	139	44	70
Laser Printer (LAN)	138	9	106	23	94	2	20	26	3	26	6	11
Laser Printer (Standalone)	219	7	105	107	18			10		5		3
Dot Matrix/Daisy (LAN)	85		83	2	9			1		3	3	2
Dot Matrix/Daisy (Standalone)	219	73	73	73	37		1	10		26		
Ink Jet (LAN)	25	4	20	1	3		1	2				
Ink Jet (Standalone)	30	1	23	6	5			2		2		1
Micro Plotter	5	1	4		4		1	2		1		
Micro Modem	281	20	194	67	92		6	52		25	4	5
Micro Scanner	15	1	10	4	3			2		1		
Fax Server	1		1		1			1				
Fax (Standalone)	77	2	40	35	33		6	6		16	3	2
Fax Board (Internal)	42	2	25	15	19			16		3		
Dept Computer (Large)	8		8		4			4				
Dept Computer (Other)	15			15								
Department Terminal	1915		692	1223	30			27				3
Dept Printer (Laser)	46		35	11	4			4				
Dept Printer (Impact)	255		165	90	6			6				
Mainframe Computer					1			1				
Mainframe Terminal	25		8	17	284			106		23	8	147
Mnfrm Laser Printer					10			10				
Mnfrm Impact Printer	3		3		55			25		14	4	12

Source FY 95 through 98 Business Automation Plans

November 1994

COUNTY OF SAN DIEGO

COMPUTER EQUIPMENT INVENTORY AS OF NOVEMBER 1994

EQUIPMENT	GENERAL GOVN	COUNTY DEPARTMENTS							
		ASR	AUD	BOS	CAO	COB	CCO	LAF	TTC
LAN (Novell)	11	1	5				2		1
LAN (Other)	1		1						
WAN	6		4				2		
LAN Super Server									
LAN Pentium File Server	2	1	1						
LAN (486) File Server	7	3	1				1		2
LAN (386) File Server	4		3				1		
LAN (Other) File Server									
LAN SNA Gateway									
LAN SAA Access	9	1	4				2		2
LAN Modem Server	2		1						1
P-5 (Pentium) LAN									
P-5 (Pentium) Standalone									
486 (LAN)	88	33	11	18	9	13	4		
486 (Standalone)	52	33			2		1	3	13
386 (LAN) Windows Capable	38	2	21						15
386 (LAN) Non Windows	63		52				10	1	
386 (SA) Windows Capable	21	17			3				1
386 (SA) Non Windows	2				1				1
286 or XT Micro (LAN)	273		89	30	53	11	87		3
286 or XT Micro (Standalone)	56	36			8	6		5	1
Laptop (LAN)	8								8
Laptop (Standalone)	16	8	1	1	5	1			
Macintosh/Apple (LAN)									
Macintosh/Apple (Standalone)	12	1			2			9	
TOTAL WORKSTATIONS	629	130	174	49	83	31	102	18	42
Laser Printer (LAN)	145	15	34	21	21	8	19	2	25
Laser Printer (Standalone)	46	40			6				
Dot Matrix/Daisy (LAN)	4		1				1		2
Dot Matrix/Daisy (Standalone)	26	18			8				
Ink Jet (LAN)	3								3
Ink Jet (Standalone)	2				2				
Micro Plotter	5	4	1						
Micro Modem	63	15	10	2	5	2	5	1	23
Micro Scanner	10		2		2	2		1	3
Fax Server	10				10				
Fax (Standalone)	36	10	6	6	2	1	5	1	5
Fax Board (Internal)	8							1	7
Dept Computer (Large)	1	1							
Dept Computer (Other)	3		1						2
Department Terminal	257	253							4
Dept Printer (Laser)	25	23							2
Dept Printer (Impact)	34	32							2
Mainframe Computer									
Mainframe Terminal	185	60	47			3			75
Mnfrm Laser Printer	19	12							7
Mnfrm Impact Printer	3	1	9			1			2

Source FY 95 through 98 Business Automation Plans

November 1994

COUNTY OF SAN DIEGO													
COMPUTER EQUIPMENT INVENTORY AS OF NOVEMBER 1994													
EQUIPMENT	COMM SRVS	COUNTY DEPARTMENTS											
		AGR	ANC	APC	F&H	HCD	LIB	MED	PBA	PKS	PLU	PWS	ROV
LAN (Novell)	8	1	2			1	1	1			1	1	
LAN (Other)	9			2							1	5	1
WAN	10					1	1	1			1	6	
LAN Super Server													
LAN Pentium File Server	2		1								1		
LAN (486) File Server	7	1				1	1				1	2	1
LAN (386) File Server	7		1					1				5	
LAN (Other) File Server	8			1							1	5	1
LAN SNA Gateway	3		1								1	1	
LAN SAA Access	4					1	1				1	1	
LAN Modem Server	3		1					1				1	
P-5 (Pentium) LAN	3											3	
P-5 (Pentium) Standalone													
486 (LAN)	173	6	5			25	18	6			25	80	8
486 (Standalone)	46			4			11	1	3	2		25	
386 (LAN) Windows Capable	37	4		2		2	2					20	7
386 (LAN) Non Windows	155	2	6	1		19		1			53	73	
386 (SA) Windows Capable	26	1	1	4		1			3	10	1	5	
386 (SA) Non Windows	53	1		13		1			3	2		22	11
286 or XT Micro (LAN)	274	13	28			52	4	23			49	105	
286 or XT Micro (Standalone)	81	6	5		1		9	1	6	17		26	10
Laptop (LAN)	12											12	
Laptop (Standalone)	13					2				1		9	1
MacIntosh/Apple (LAN)	131			120							11		
MacIntosh/Apple (Standalone)	9			4			3					2	
TOTAL WORKSTATIONS	1013	33	45	148	1	102	47	32	15	32	139	382	37
Laser Printer (LAN)	119	5	2	12		18	2	8			41	31	
Laser Printer (SA)	51	1		2		2	4		5	8		29	
Dot Matrix/Daisy (LAN)	6		3			1		2					
Dot Matrix/Daisy (SA)	98	1	2	16	1		7	1	2	13		54	1
Ink Jet (LAN)													
Ink Jet (Standalone)	14					1	9	1				3	
Micro Plotter	10									2		8	
Micro Modem	202	10	7	31		14	11	2	8	12		57	50
Micro Scanner	14		1	1		2	2			1	1	4	2
Fax Server	3	3											
Fax (Standalone)	70		3	1		2	33	1		9		19	2
Fax Board (Internal)	3							1				1	1
Dept Computer (Large)	4			1					1			1	1
Dept Computer (Other)	7			6								1	
Department Terminal	280			18					36			154	72
Dept Printer (Laser)	49	5		1					2		1	35	5
Dept Printer (Impact)	10			2					3			4	1
Mainframe Computer													
Mainframe Terminal	56		36		1		1	2		3		11	2
Mnfrm Laser Printer	2					1				1			
Mnfrm Impact Printer	7		5							1			1

Source: FY 95 through 98 Business Automation Plans

November 1994

DEPARTMENT CROSS-REFERENCE

DEPT CODE	DEPARTMENT NAME	DEPT CODE	DEPARTMENT NAME
AAA	AREA AGENCY ON AGING	PBA	PUBLIC ADMINISTRATOR
ADC	ALTERNATE DEFENSE COUNSEL	PDF	PUBLIC DEFENDER
AGR	AGRICULTURE, WEIGHTS & MEASURES	PKS	PARKS & RECREATION
ANC	ANIMAL CONTROL	PLU	PLANNING AND LAND USE
APC	AIR POLLUTION CONTROL	PRB	PROBATION
APD	ALTERNATE PUBLIC DEFENDER	PUR	PURCHASING (AUDITOR)
ASR	ASSESSOR	PWS	PUBLIC WORKS
AUD	AUDITOR & CONTROLLER	REV	REVENUE & RECORDER (AUDITOR)
BOS	BOARD OF SUPERVISORS	ROV	REGISTRAR OF VOTERS
CAO	CHIEF ADMINISTRATIVE OFFICE	SHR	SHERIFF
CCO	COUNTY COUNSEL	SUP	SUPERIOR COURT
COB	CLERK OF THE BOARD	TTX	TREASURER-TAX COLLECTOR
CSC	CIVIL SERVICE COMMISSION		
DAX	DISTRICT ATTORNEY		
DHR	DEPARTMENT HUMAN RESOURCES		
DHS	DEPARTMENT HEALTH SERVICES		
DIS	DEPARTMENT INFORMATION SERVICES		
DSS	DEPARTMENT SOCIAL SERVICES		
EOM	EQUAL OPPORTUNITY MANAGEMENT		
F&H	FARM AND HOME		
GEN	GENERAL SERVICES		
GJU	GRAND JURY		
HCD	HOUSING & COMMUNITY DEVELOPMENT		
LAF	LOCAL AREA FORMATION COMMISSION		
LIB	LIBRARY		
MAR	MARSHAL		
MCX	MUNICIPAL COURTS		
MED	MEDICAL EXAMINER		

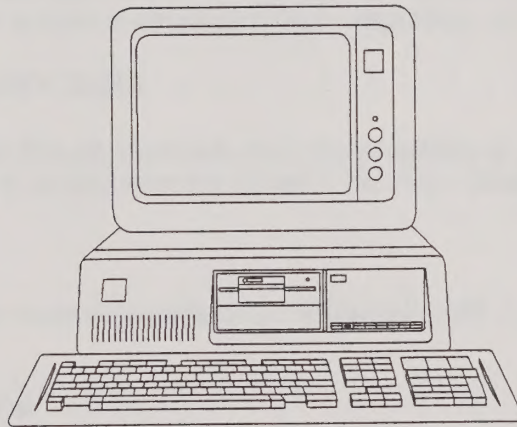
MAINFRAME/MINI CRTs and PC WORKSTATIONS			
Department Name	STAFF to CRT or PC RATIO		
	FY94-95		
	Number of CRT/PC	Staff Positions	Ratio
Agriculture	33	117	3.5
Air Pollution Control District	166	157	0.9
Alternate Defense Counsel	19	29	1.5
Alternate Public Defender	49	75	1.5
Animal Control	81	150	1.9
Area Agency on Aging	161	84	0.5
Assessor	443	404	0.9
Auditor & Controller (includes R&R, Purchasing)	493	505	1.0
Board of Supervisors	49	51	1.0
Chief Administrative Officer	83	70	0.8
Civil Service Commission	6	15	2.5
Clerk of the Board	34	58	1.7
County Counsel	102	127	1.2
District Attorney	748	958	1.3
Equal Opportunity Management Office	7	7	1.0
Farm & Home Advisor	2	7	3.5
General Services	162	415	2.6
Grand Jury	9	1	0.1
Health	1724	2511	1.5
Housing & Community Development	102	91	0.9
Human Resources	130	125	1.0
Information Services	372	277	0.7
LAFCO	18	9	0.5
Library	48	290	6.0
Marshal	168	376	2.2
Medical Examiner	34	55	1.6
Municipal Court	1116	755	0.7
Parks & Recreation	35	137	3.9
Planning and Land Use	139	169	1.2
Probation	412	1164	2.8
Public Administrator	15	53	3.5
Public Defender	97	371	3.8
Public Works	547	791	1.4
Registrar of Voters	101	65	0.6
Sheriff	605	2949	4.9

MAINFRAME/MINI CRTs and PC WORKSTATIONS			
Department Name	STAFF to CRT or PC RATIO		
	FY94-95		
	Number of CRT/PC	Staff Positions	Ratio
Social Services	1666	4000	2.4
Superior Court	756	883	1.2
Treasurer/Tax Collector	121	118	1.0
Total	10,853	18,419	1.7

Source - CRT/PC counts from FY 95/98 Business Automation Plans. Staff positions from Auditor and Controller Schedule of Positions effective Dec/94.

INTEGRATED BUSINESS AUTOMATION PLAN

HARDWARE PLANS - NEW EQUIPMENT



AGRICULTURE, WEIGHTS & MEASURES

- Add new workstations and peripherals to the department LAN until workstations are provided on every desk.
- For any positions where automation equipment is clearly needed for effective job performance, this department plans to request funding for that equipment when new staff positions are budgeted or approved by the Board of Supervisors.
- Acquire and install a computerized cash register to support border inspections by automating a manual process of issuing receipts and later data entry at the home office.

AIR POLLUTION CONTROL DISTRICT

- Purchase additional Personal Computers (MacIntosh, PowerPC, Pentiums) to meet the District goal of providing adequate access to microcomputers to staff.

ALTERNATE PUBLIC DEFENDER

- Achieve a 1:1 ratio for personal computers and staff to provide appropriate and timely service.
- Acquire notebook computers with LAN connectivity for attorney use while in court.

AREA AGENCY ON AGING

- Purchase laptop microcomputers for both field use and in-office LAN connectivity to provide office automation tools to case management teams regardless of work location.

ASSESSOR/RECORDER/COUNTY CLERK

- The Assessor/Recorder/County Clerk will study the possibility of using digitized viewer/FAX machines to FAX orders directly from the viewer in the main office to satellite site branch offices.

AUDITOR & CONTROLLER

- Add personal computer network workstations for any new staff or existing staff as needs are identified.

CHIEF ADMINISTRATIVE OFFICE

EXECUTIVE OFFICE

- Acquire a laser printer with two paper trays and an envelope feeder for increased flexibility in producing documents.

COMMISSION ON CHILDREN, YOUTH, AND FAMILIES

- Purchase two standalone computer systems with modems for use at the Polinsky Children's Center. The modems will enable Polinsky staff to connect to CAC E-mail.

- Acquire a modem which would allow access to a state-wide network on child deaths.

LABOR RELATIONS COMMISSION

- Acquire six 486 microcomputers to accomplish anticipated workload demands.

OFFICE OF PUBLIC AFFAIRS

- Purchase a new MacIntosh, a color scanner, a digital camera, and color printer to support the production of County News, County, Fact Finds, brochures and other productions as needed.

OFFICE OF SPECIAL PROJECTS

- Purchase a scanner and software for quick data input.

VETERANS AFFAIRS

- Purchase one HP laserjet printer for the main office, one PC and laser printer for a proposed North County office, and a mainframe printer for the exiting CRT to printout Medi-Cal referrals.

CIVIL SERVICE COMMISSION

- Purchase a laser printer and a fax machine.

EQUAL OPPORTUNITY MANAGEMENT OFFICE

- Install new PC workstations on the CAC LAN to support the Investigative, Fair Housing, Contract Compliance, and Administrative units to increase operating efficiencies.

FARM & HOME ADVISOR

- Expand personal computer usage to all secretaries, staff and advisors. Acquire four standard PC workstations and software (WordPerfect Office, WordPerfect, Quattro Pro, and Paradox).
- Provide office automation tools to the Farm and Home Advisors regardless of work location.
- Provide personal computers with overhead projector displays and overhead projectors in the training room. Use of loaned equipment has clearly demonstrated the value of computer-assisted training.

GENERAL SERVICES

- A minimum of 20% growth in the number of microcomputer systems and LAN workstations is expected annually.

HEALTH SERVICES

- Acquire equipment and software previously planned and not acquired during prior fiscal years and purchase equipment necessary to support any authorized staff expansion.
- Purchase one microcomputer for Public Health Nurses to use the TB information system.

- Support Fiscal by purchasing one postscript printer for Focus report printing, and purchase one HP IV laser printer, two dot matrix printers, one tape backup unit, and PC locking mechanisms to prevent PC theft.
- Purchase color printers, a laser printer, terminals and printers for the warehouse, and a scanner for the mail room to support the Services Administration and Budget units.
- Purchase one 586-microcomputer for the Mental Health Services LAN.
- Purchase CD-ROM devices for the LAN, and a Proxima Display device for use in Provider recruitment and network member communications at CMS.
- Acquire a Postscript printer for form design and layout and printing of graphs, maps and transparencies to support Alcohol and Drug Services (ADS).
- Acquire two J&L Communications Servers, one SQL server, twenty HP laser printers, and twenty PC workstations to expand the Emergency Medical System (EMS) Quality Assurance Network.
- Purchase workstations (one for each staff person), to access LAN and VAX applications for staff using the MHS Case Management, Central Regional Clinic LAN.
- Add two additional workstations to the 3Net LAN on the Public Health LAN.
- New hardware needs for MHS MIS include one desktop PC, one laptop with color display, one laser printer with 6MB memory, ten VAX terminals, ten dot matrix printers, and ten modems.
- Public Health Lab equipment requirements include two microcomputers for the Non-Diagnostic General Health Assessment Program, three CD-ROM drives for reference material access, one laser printer, and file server upgrades to accommodate user demand.
- Purchase one dot matrix printer and one PostScript-capable laser printer for Personnel/Payroll.
- Acquire an external tape drive and CD-ROM drives for MS Administration & Budget.
- Purchase an additional five microcomputers for Case Management at MHS Child and Adolescent Services.
- Add additional LAN workstations as needed for staff requirements at AIDS & Community Epidemiology.
- The Public Health Lab will purchase an optical disk for record backup, and add ten PCs to the LAN with Paradox, WordPerfect and other required software.
- ADS will acquire any equipment planned but not acquired during previous fiscal years and any equipment necessary to support possible ADS staff growth/expansion.
- Acquire notebook PCs and software for CHS division EDP staff for use in training while away from headquarters.
- Purchase additional LAN workstations until all Mental Health clinicians have computers in their offices.

- Purchase PC systems for all Health Centers if the linkage from Health Centers to the Tuberculosis Information System (TBIS) is successful.
- Acquire ten additional workstations connecting to all MHS sites, and purchase six standalone PCs for case managers to support Child Adolescent Services.
- Purchase ten additional workstations for the San Diego County Psychiatric Hospital, a ten workstation LAN for the new Jail (IRC), two laser printers and two modems for North coastal and Inland.

HOUSING & COMMUNITY DEVELOPMENT

- For any positions where automation equipment is clearly needed for effective job performance, HCD plans to request funding for that equipment when new staff positions are budgeted and/or approved by the Board.

HUMAN RESOURCES

- Purchase additional workstations and file servers and continue incremental installation of computers to connect all DHR staff and managers to the Director.
- Purchase software or hardware and develop PC applications to lighten workloads and/or improve work procedures in areas or divisions where workload growth exceeds staff growth.

INFORMATION SERVICES

NETWORK MANAGEMENT DIVISION

- Reconfigure and redesign the DSU/modem rack to separate DSU/CKTS by vendors and by types of circuits. Eliminate unused wires and Pacific Bell circuits, provide a professional appearance of the DSU/modem racks and the computer room, and improve maintenance access.
- Purchase a matrix switch for 3745 interface cables. Integrate all DSUs and modems into a matrix switching patch panel for passive monitoring of VTAM lines and DSUs through the use of an analyzer.
- Acquire and install two additional CXA-16 line cards for the DECserver Ward system to enable more devices to be connected to the REJIS system.
- Purchase laptop microcomputers for on-call staff and provide dial-up lines for dial-in capability to improve staff responsiveness to evening and weekend problem calls.
- Acquire and install memory upgrades, larger disk drives and latest revision of operating systems on CAC file servers managed by the division.

OPERATIONS AND SOFTWARE DIVISION

Computing Operations

- Consolidate DEC/VAX computers into one location to reduce operating costs.

- Add an additional mainframe impact printer which will allow for quicker turnaround of large impact print jobs.
- Automate tape backup processing of the court's Honeywell/Bull Computer systems.
- Acquire four high speed laser printers to provide remote printing at customer sites.
- Add 32 channels to the IBM 3090 600E mainframe and increase its CPU performance capacity to 77 MIPS to improve processing performance by relieving memory constraints.
- Acquire additional DASD for the IBM 3090 and DEC/VAX platforms to accommodate all planned DASD storage requirements for the next several years.

TELECOMMUNICATIONS DIVISION

- Purchase additional PCs for the telephone billing unit.

LIBRARY

- Purchase CD-Rom drives for data storage and retrieval.

MUNICIPAL COURTS

- The Courts will install intelligent workstations in all courtrooms to reduce data collection and handling costs.

PARKS & RECREATION

- Continue to automate the regional parks by acquiring and installing fax machines, personal computers with modems and electronic cash registers.

PROBATION

- Complete the expansion of the DEC Network within Administrative Services to bring automation tools to all staff.
- Expand the DEC Network in Juvenile Services to provide terminals to accommodate program growth and improved officer accessibility.
- Install a new terminal at the Girls Rehabilitation Facility at Juvenile Hall.

PUBLIC DEFENDER

- Purchase additional PC workstations to meet ever increasing workloads.

PURCHASING AND CONTRACTING

- Expand the LAN to provide 1:1 ratio of staff to workstations.
- For any positions where automation equipment is clearly needed for effective job performance, Purchasing & Contracting plans to request funding for that equipment when new staff positions are budgeted.

REVENUE AND RECOVERY

- For any positions where automation equipment is clearly needed for effective job performance, R&R plans to request funding for that equipment when new staff positions are budgeted.

SHERIFF

- Purchase additional VAXcluster hardware and software, and a fiber-optic connection between the DSD computer room and the Ridgehaven complex to configure a disaster tolerant VAXcluster. Purchase the appropriate number of CI computers, adequate HSCs and disk storage to mirror the existing DSD computer room hardware configuration at the time of the Fault-Tolerant VAXcluster's inception.

SOCIAL SERVICES

- PCs have been requested in all areas of the Department. Specific plans exist and will require State approval and funding.

SUPERIOR COURT

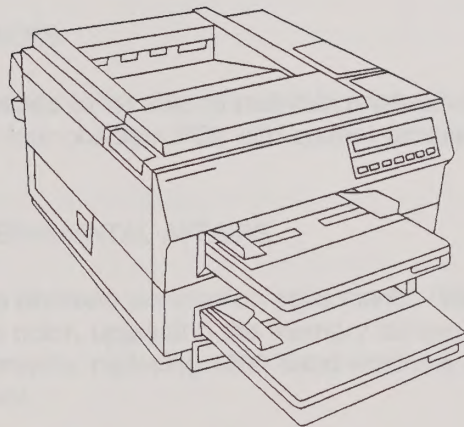
- As applications are developed or enhanced, the Court will add sufficient microcomputers to the network to serve all judges and employees.

TREASURER-TAX COLLECTOR

- Purchase two additional microcomputer systems for use by the secured property taxes and the prior year delinquent secured taxes division staff.

INTEGRATED BUSINESS AUTOMATION PLAN

HARDWARE PLANS - UPGRADES



Section 1: Introduction

The purpose of this document is to provide a comprehensive overview of the project's objectives, scope, and timeline. It is intended for use by all stakeholders involved in the project.

Section 2: Objectives

2.1 Project Objectives

The primary objective of this project is to develop a new software application that will streamline the workflow of the department. Other objectives include improving data accuracy, reducing manual errors, and enhancing user satisfaction.

Section 3: Scope

The scope of this project is limited to the development and implementation of the software application. It does not include hardware procurement or system integration.

Section 4: Timeline

The project is scheduled to begin on January 1st, 2024, and is expected to be completed by June 30th, 2024. A detailed Gantt chart is attached to this document.

Section 5: Resources

The project team consists of five members: a project manager, two software developers, a data analyst, and a quality assurance specialist. The project manager is responsible for overall coordination and reporting.



AGRICULTURE, WEIGHTS & MEASURES

- The department intends to replace broken or obsolete automation hardware and/or software when funding permits and the equipment is clearly necessary for cost effective operations.

AIR POLLUTION CONTROL DISTRICT

- Continue the replacement of old MacIntosh computers to allow the District to utilize more sophisticated software for database access.

AREA AGENCY ON AGING

- To assure continued productivity benefits from installed automation tools, AAA plans to replace broken or clearly obsolete software and PC equipment when funding permits.

ASSESSOR/RECORDER/COUNTY CLERK

- Plan and fund a process to repair, replace, or upgrade microcomputer equipment prior to hardware failure or obsolescence.

AUDITOR & CONTROLLER

- Replace obsolete office automation equipment.

CHIEF ADMINISTRATIVE OFFICE

ADMINISTRATIVE SERVICES

- Replace hardware as needed to be able to maintain productivity and service delivery. The plan includes replacement of four obsolete PCs with current processors and one HP II with a color printer.

OFFICE OF INTERGOVERNMENTAL AFFAIRS

- Replace and/or upgrade obsolete automation equipment. This includes upgrading a monochrome monitor to color, upgrading the memory for two laser printers to enable the printing of graphic documents, replacing 1200 Baud modems and upgrading at least one older PC to a current processor.

COMMISSION ON YOUTH AND CHILDREN

- Replace a loaner monitor in the Director's office.

OFFICE OF SPECIAL PROJECTS

- Replace the obsolete fax that requires manual paper feeding with a plain paper fax machine, and replace the ten year copy machine.

VETERANS AFFAIRS

- Replace a seven year old PC with a 486 microcomputer and SVGA color monitor.

CLERK OF BOARD

- Replace/upgrade outdated and/or failing microcomputer equipment.

GENERAL SERVICES

- Reduce the current mail processing costs through the replacement of obsolete equipment and the acquisition of systems that reflect current technology.
- Microcomputer systems and LAN workstations will be upgraded, new microcomputers and workstations will be acquired, and all appropriate local and remote microcomputers will be attached to the LAN.

HEALTH SERVICES

- Upgrade file servers and workstations to current technology in assure effective and efficient use of new applications.
- Upgrade Personnel & Fiscal PCs to 486 or better processors.
- Upgrade all microcomputers to 486 processors and purchase 17" monitors for the Health Information computers.
- Upgrade MHS LAN hardware including replacement of eight obsolete PCs with 586 PCs and replace Desk Jet printers with a color Postscript-capable laser and the rest with laser printers with JetDirect cards.
- Upgrade the CMS file server to a 586 processor configured to allow access by 12 remote users plus in-house staff.
- Upgrade MS Administration PC systems to be capable of supporting Windows.
- Replace existing hardware and explore new technology as it becomes available for CCS and Child Health & Disability Prevention (CHDP).
- Upgrade PCs and software and add laser printers as needed to maintain efficiency for the Public Health Lab.
- Upgrade Personnel/Payroll microcomputer hardware as funds become available.
- Upgrade two Pharmacy microcomputers to at least 486 PCs.
- Replace obsolete equipment as needed for MH case management clinic LAN sites.
- Replace CHS Administration microcomputers and printers, as new technology is introduced and hardware becomes obsolete.
- Upgrade seventeen Mental Health Administration PCs to Power PCs.
- Replace existing hardware and explore new technology as it becomes available.

- Continue to upgrade Perinatal Care Network (PCN) microcomputer hardware, network drives and remote access equipment to current technology in order to use new database applications efficiently.

HOUSING & COMMUNITY DEVELOPMENT

- The department intends to replace broken or obsolete automation hardware and/or software when the equipment is clearly necessary for cost effective operations.

HUMAN RESOURCES

- Upgrade/replace irreparable, obsolete or outdated equipment and software.

INFORMATION SERVICES

ACCOUNT MANAGEMENT DIVISION

- Upgrade all AMD workstations to 486 with 16MB RAM to keep pace with current technology such as client/server and Windows-based applications.
- Upgrade the AMD file server to a 486DX processor with two 1.2GB duplexed SCSI drives to support client/server and Windows applications.

ADMINISTRATIVE SERVICES DIVISION

- Upgrade all workstations to 486 with 16MB of RAM to support spreadsheet, database development, graphic report production using current software technology.
- Upgrade various workstations within the Budget unit with additional memory, mouse and Windows-based software.

NETWORK MANAGEMENT DIVISION

- Acquire network analyzer to improve reliability of County networks and reduce time required to restore network services during outage periods.
- Replace 3274 controllers with 3174 controllers or equivalent to prepare for token ring connectivity and APPN LU6.2 technology.

OPERATIONS AND SOFTWARE DIVISION

- Replace the mainframe laser printer with a higher speed laser printer to provide more availability of the mainframe printer.
- Upgrade UPS 415 Hz system to handle 200 KVA output. Upgrade UPS 60 Hz system to accommodate a 50% increase in need.

TELECOMMUNICATIONS DIVISION

- Upgrade the county-wide radio paging system with current equipment to improve capacity and coverage.

- Upgrade the file server facilities with a new Pentium-based server utilizing current disk array storage technology and processor/memory architecture.

LOCAL AREA FORMATION COMMISSION

- Complete the upgrade of PCs to at least 486 processor capability.

PROBATION

- Upgrade the DEC Network communications gear at the Juvenile Ranch Camps and the El Cajon Juvenile field office to a 16 port mux to accommodate additional network devices.
- Replace four obsolete IBM CRTs for the payroll clerks with devices that facilitate the entry of numeric data.

PUBLIC DEFENDER

- In order for our Department to have the ability to take advantage of advances in PC software technology, we must upgrade our hardware resources.

PUBLIC WORKS

- Review the need to upgrade the LAN, to add workstations and other equipment, and to replace obsolete equipment on an annual basis.
- Installation of several major VAX applications for Field Operations are planned which will require an upgrade of communications between the Field Operations division headquarters, Road Stations, and the VAX computer.
- Improve the general office automation capabilities in the Communications, Materials Testing, Engineering Services, and Flood Control Engineering Sections by replacing and/or upgrading obsolete microcomputer equipment.
- Upgrade the processing capabilities of the traffic forecasting workstations.

PURCHASING

- Purchasing and Contracting plans to replace broken or obsolete automation hardware and software when funding permits and the equipment is clearly necessary for cost effective operations.

REGISTRAR OF VOTERS

- Upgrade or replace the current disk subsystem to increase disk storage capacity for the Data General-based voter management software.
- Replace both Xerox 3700 laser simplex printers with newer Xerox duplex laser printers to improve the quality of printing and reduce costs with the duplex capability.

REVENUE AND RECOVERY

- Complete the upgrade of all PC workstations to be Windows-capable which will ensure R&R's participation in the County strategic direction for departmental computing.
- Revenue & Recovery intends to replace broken or obsolete automation hardware and software when funding permits and the equipment is clearly necessary for cost effective operations.

SOCIAL SERVICES

- It is the Department's intention to replace any PC that is six or more years old, when major repairs are necessary, or additional functionality is required.

SUPERIOR COURT

- Upgrade and/or replace non-standard microcomputers, servers, and printers to reduce repair costs, improve end user support, and allow the use of new, more powerful software.

The first part of the report is a summary of the project. It describes the objectives of the project, the methods used, and the results obtained. The second part of the report is a detailed description of the project. It includes a description of the project area, a description of the project team, and a description of the project activities. The third part of the report is a discussion of the results. It discusses the findings of the project, the implications of the findings, and the conclusions of the project.

2.0 PROJECT DESCRIPTION

The project was carried out in the area of the River Thames, London. The project was carried out by a team of five people, including the author. The project was carried out over a period of six months. The project was carried out in the area of the River Thames, London. The project was carried out by a team of five people, including the author. The project was carried out over a period of six months. The project was carried out in the area of the River Thames, London. The project was carried out by a team of five people, including the author. The project was carried out over a period of six months.

3.0 PROJECT RESULTS

The project results are presented in this section. The results are presented in the form of a table. The table shows the results of the project for each of the five areas of the project. The results are presented in the form of a table. The table shows the results of the project for each of the five areas of the project. The results are presented in the form of a table. The table shows the results of the project for each of the five areas of the project. The results are presented in the form of a table. The table shows the results of the project for each of the five areas of the project.

4.0 PROJECT CONCLUSIONS

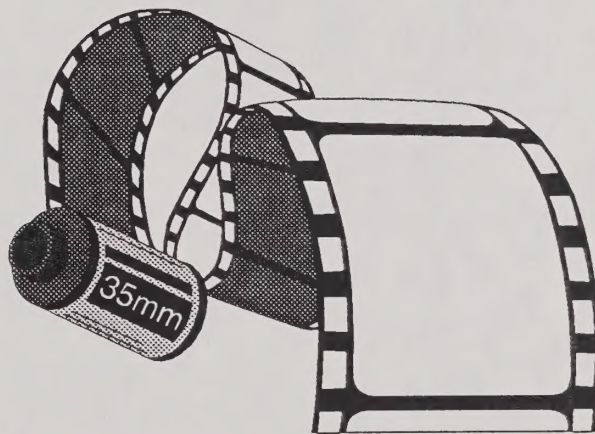
The project conclusions are presented in this section. The conclusions are presented in the form of a table. The table shows the conclusions of the project for each of the five areas of the project. The conclusions are presented in the form of a table. The table shows the conclusions of the project for each of the five areas of the project. The conclusions are presented in the form of a table. The table shows the conclusions of the project for each of the five areas of the project.

5.0 PROJECT REFERENCES

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INTEGRATED BUSINESS AUTOMATION PLAN

IMAGE PROCESSING PLANS



AIR POLLUTION CONTROL DISTRICT

- Provide imaging hardware and software capabilities to streamline file and document management.

ALTERNATE PUBLIC DEFENDER

- Archive closed case files using electronic media to reduce the amount of space required to store old case files.

ASSESSOR/RECORDER/COUNTY CLERK

- Scan and store images of recorded maps and some documents to provide timely access in all offices and to support conversion to Auto/CAD format for further processing.
- Use imaging technology to eliminate all manual handling of documents by Assessor and Recorder staff. Imaging technology will enable on-line handling and document distribution and will position the department to eliminate the use and expense of microfilm.

BOARD OF SUPERVISORS (Districts 1, 3, and 4)

- Implement a document imaging system to allow the Board offices to respond quicker and more accurately to all issues.

BOARD OF SUPERVISORS (Districts 2 and 4)

- Acquire a system for the storage, retrieval, and analysis of newspaper articles. Possible solutions will involve the storage and retrieval of these articles as images and OCR'd documents which can be stored, searched and retrieved as needed.

CLERK OF THE BOARD

- Review the potential use of image processing and its possible integration with the current LAN, Inquire/Text, and Assessment Appeals applications.

DISTRICT ATTORNEY

- Staff currently connected to the office network can access a directory containing the names and phone numbers of all personnel. This directory will be enhanced to include digitized photographs to put a name with a face.

GENERAL SERVICES

- Digitized drawings of county-owned property and facilities need to be integrated with the mainframe Space Management application. Image storage capabilities need to be expanded to include a document management system for major maintenance, capitol space projects, and space planning analysis.

HEALTH SERVICES

- Implement imaging technology if and when it is cost effective.

- Research and develop imaging applications for Medical Records management, in anticipation of a complete Computerized Patient Record.

HOUSING AND COMMUNITY DEVELOPMENT

- HCD believes image processing offers the potential for reducing costs and space requirements associated with handling and storing photographs and legal documents.

HUMAN RESOURCES

- Develop image processing systems for Examinations and Workers Compensation. The purchase of additional hardware and software will be necessary to support this objective.

PROBATION

- Acquire an electronic imaging system for the conversion of paper case files. Imaging offers a more cost effective method of managing over 70,000 closed files that are now stored off site.
- Acquire and maintain a mug-shot system to reduce successful use of false ID information throughout the criminal justice system.

PUBLIC WORKS

- Implement image processing technology. Opportunities include Property Management contracts, general departmental records, Survey of Records data, Expert Testimony data, and graphic autocad images.
- Develop a Traffic Advisory Committee Historical Data File Imaging System to maintain an automated database of historical data files compiled by the Traffic Advisory Committee.

REVENUE AND RECOVERY

- Incorporate fax machine(s) into the LAN using fax boards and Optical Character Reader (OCR) technology to provide direct capture and the capability to edit faxed documents.

SHERIFF

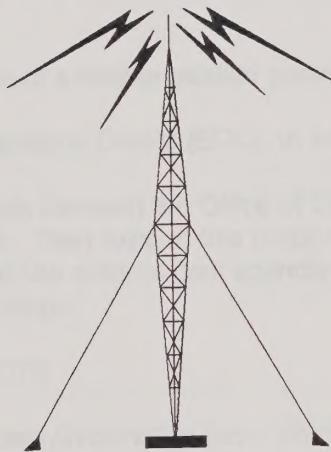
- Expand the system at Records to include additional hardware such as workstations, optical disks, and scanners and additional software to perform such functions as optical character recognition, text retrieval, and work flow analysis. A study will be made to determine the feasibility of expanding imaging to the stations.
- Expand the Sheriff's data communications capacity to support imaging and office automation requirements.

TREASURER-TAX COLLECTOR

- Publish an RFP for an imaging system to be used with the present Treasurer-Tax Collector minicomputer system to replace the current micro-film archive methodology.

INTEGRATED BUSINESS AUTOMATION PLAN

LAN/WAN/NETWORK PLANS



AGRICULTURE, WEIGHTS & MEASURES

- Establish a Local Area Network (LAN) in the Vista office and link that Vista LAN with the department's LAN at the County Operations Center.

AIR POLLUTION CONTROL DISTRICT

- Network all desktop personal computer systems to the District VAX 6510 computer to provide VAX application access, file sharing, and E-mail to District staff.

ALTERNATE PUBLIC DEFENDER

- Connect the El Cajon LAN to the existing department WAN to bring the Law Desk application to all offices.

ANIMAL CONTROL

- Attach the current Animal Control LAN to the County Enterprise network and provide enterprise E-Mail to all shelters.

AREA AGENCY ON AGING

- Convert the LAN from ArcNet to Ethernet to support planned LAN growth, increased data transfer speed, and better network management tools.

CHIEF ADMINISTRATIVE OFFICE

- Evaluate a potential acquisition of a mobile satellite communications capability.
- Automate the Emergency Operations Center (EOC), to include a Local Area Network.
- Implement a Wide Area Network between the Office of Disaster Preparedness and the Emergency Operations Center. Then expand this proposed WAN to all incorporated jurisdictions, fire agencies, and law enforcement agencies within the County, and appropriate state, federal, and volunteer groups.

OFFICE OF SPECIAL PROJECTS

- Acquire electronic access to data/information from other county departments and outside agencies including the City of San Diego, SANDAG, State of California, and some Federal offices.

CLERK OF BOARD

- Connect with all County departments via the Wide Area Network and integrate the Xerox 9900 copier to the LAN.
- Investigate ways to provide the Clerk of the Board documents through the County Libraries Automated System and other County branch offices.

COUNTY COUNSEL

- Extend the County Counsel LAN at Mercury Street to all professional staff.

DISTRICT ATTORNEY

- Connect to the County INET if the security issues raised can be dealt with.
- Implement electronic data interchange (EDI) to use computers, rather than paper, to communicate information between organizations.
- Evaluate wireless networking so attorneys carrying computers with them to multiple offices and courtrooms could remain network connected without requiring network cabling to every possible location.

FARM & HOME ADVISOR

- Connect all new workstations to either a new LAN or the Agriculture Weights and Measures LAN. Provide all LAN workstations access to the County Enterprise E-mail system, and appropriate mainframe computer applications.

GRAND JURY

- Research the possibilities of inter-connecting to Grand Juries state-wide.

HEALTH SERVICES

- Study the feasibility of installing a LAN at OAC.
- Explore the possibility of local hospitals reporting legally reportable conditions directly to AIDS & Community Epidemiology via modem.
- Correctional Facilities Medical Services will enter a Memo of Understanding with the Department of Social Services to connect to the DSS LAN at the Polinsky Childrens Center to share data resources.
- Purchase the appropriate hardware, software and communication equipment to install LANs at the Askew building and the Health Services Complex.
- Plan and install a LAN/WAN at the Edgemoor Geriatric Hospital to implement a Long-Term Care Patient Information System, fund raising software, and basic office automation.
- Continue efforts to support a system linking physicians and other health care agencies in the community who provide childhood immunizations.
- Expand the current configuration of the Emergency Medical Services LAN to handle growth and staff requirements.
- Add fax modem boards to MHS LAN microcomputers, enabling staff to communicate with the Internet and the State's legislative network.

- Acquire full Internet access for Case Management/Central Regional Clinic communication to other agencies regardless of location.
- Purchase LAN management tools, purchase connection servers to connect all EHS LANs.
- For AIDS and Community Epidemiology, determine a method of linking AIDS Case Management HIV programs with three County case management services including North County, the Visiting Nurse Association, and Area Agency on Aging to share common data.
- Install a Local Area Network at the EHS Ruffin Road Office.
- Implement a Sexually Transmitted Diseases system interfacing with external MIS to transmit and receive patient information.
- Expand the Emergency Medical Services LAN to appropriately meet additional performance and data storage requirements from anticipated growth.
- Add the required number of licenses to the Case Management Services central regional clinic LAN as new workstations are added.
- Coordinate with EDP Support on connecting MS Administration with the LAN at Askew.
- Coordinate with EDP Support to investigate the feasibility of connecting Personnel/Payroll to the PH LAN.
- Develop an electronic Public Health Nursing interface with community clinics to transmit and receive patient information, and patient referrals.

HUMAN RESOURCES

- Complete the connection of existing stand-alone and newly acquired microcomputers to DHR LANs. Actual replacement or repair of hardware will continue.

INFORMATION SERVICES

ACCOUNT MANAGEMENT DIVISION

- Upgrade the AMD LAN access to the mainframe to use Netware for SAA.
- Upgrade all AMD LAN software products to current releases to keep pace with current technology and improve service delivery.

NETWORK MANAGEMENT DIVISION

- Develop and implement a DIS plan for the integration of all County LAN services into the County wide area network.
- Integrate all County LANs with the enterprise E-Mail service. Integrate enterprise E-Mail services with State of California.
- Implement a system to provide IBM host services to all County WAN-connected LAN workstations.

- Convert remaining analog data communication circuits in the County to digital services.
- Implement consolidated LAN services at the CAC using Novell Netware 4.02 and super-server technology.
- Establish standard configurations and products for customers requiring switch-based LAN services.
- Upgrade County E-Mail service support to Netware Groupwise 4.1.
- Install and configure LU 6.2 services for County token ring services.
- Reduce costs for SNA circuit leases by implementing multi-drop services over the County INET.
- Develop a plan to support customers without procurement of additional 3745 resources.
- Develop an implementation plan to provide support for County customer access to Internet services.
- Upgrade SAA services to release 2.0 providing more scalable services with reduced support requirements.

TELECOMMUNICATIONS DIVISION

- Plan and implement a major Intelligent Network (INET) infrastructure expansion to establish and/or increase the capacity for exchange of voice, data, and video information between County facilities and other government agencies. An expanded INET will position the County to successfully support new network demands from systems such as IJIS, a more distributed processing environment, client/server applications, imaging systems, and enterprise E-Mail.
- Replace the existing analog public safety microwave network with a digital network, and integrate this network with the existing SanConTel microwave network.
- Provide dispatching and access to law enforcement databases via mobile computer terminals.
- Replace ten specialty radio networks with a common user trunked radio system.
- Build a new 800 Mhz mutual aid radio network and upgrade the existing fire mutual aid radio network to a mobile relay system.
- Restore critical telephone and radio microwave paths and/or critical radio circuits when catastrophic failure occurs.
- Implement voice mail department-wide, and install a voice response system for those sections of the County that answer routine inquiries from the public.
- Develop a plan to replace SanConTel microwave radios which will reach their maximum capacities within the next three years.
- Develop a strategy to activate a Government Access Channel for the County of San Diego.

- Replace the telephone system management software the objective being to replace a labor intensive process.
- Implement a mobile data pilot program with the Sheriff/Marshal.
- Establish a microwave path from Monument Peak to Borrego Springs.
- Plan for replacement of the public safety microwave system with a digital system.
- Plan for a regional 800 MHz Fire mutual aid radio network.
- Replace obsolete fire and disaster radio equipment.
- Develop a microwave restoration capability.

PARKS & RECREATION

- Complete the installation of a Local Area Network in the Administrative Office to provide information sharing between the Executive section, the department's four divisions and other sources of information through information systems such as Internet.

PUBLIC ADMINISTRATOR

- Implement wireless data transmission during the monthly auctions if a planned pilot is completed successfully.

PUBLIC DEFENDER

- Expand and upgrade our growing networks in the downtown, Vista, and Child Advocacy offices.

PUBLIC WORKS

- Review the need to upgrade and expand existing LANs, replace old computer equipment, add new computer equipment and upgrade software.
- The Airports manager has requested a study of existing Airport Division manual and stand alone systems. The study is to determine the need and feasibility of inter-linking these systems to create an Airport Information Management System that can be used to share and exchange information between the eight department administered airports.
- Provide Airports Division electronic access to the Auditor's Airports' accounts receivable system located at the Controller Branch Office.
- Acquire and install a Local Area Network for the Transit Services Section. Connect all existing microcomputer equipment to the LAN.

REGISTRAR OF VOTERS

- Continue the development of a LAN. Migrate 25 PCs from the Data General PC/I network onto a Windows NT-based Local Area Network. Add additional PC connectivity to the Data General to provide access to the Voter Management System internal mail system.

- Research ways to connect the Data General super mini-computer to DIS's IBM mainframe computer system. The goal is to enhance the ability to share data among county, city and other governmental agencies.

REVENUE & RECOVERY

- Install a LAN modem server to improve main office LAN accessibility for the branch offices and dial-out access to credit bureaus.

SHERIFF

- Evaluate supporting multiple platform PC LAN environments such as OS/2, Novell and Banyan.
- Expand the Sheriff's network to entire department with sufficient devices to support all offices.
- Acquire an additional Central Pathworks Server for DSD computer room.
- Purchase an additional Computer Interconnect (CI) computer to be added to the VAXcluster.

SUPERIOR COURT

- Replace the current Arcnet wiring downtown with fiber optic cable and Ethernet 10BaseT workstation wiring.

SOCIAL SERVICES

- Provide peer-to-peer networking at all GAIN sites and establish connectivity between offices and the GAIN LAN at Trolley Towers.
- Install a 50 node LAN at Levant Street to support the Children's Services Bureau administrative and support staff.

INTEGRATED BUSINESS AUTOMATION PLAN

MOBILE DATA TERMINALS



MARSHAL

- The Marshal's department will participate in the 800Mhz project regarding the evaluation and implementation of Mobile Computer Terminals.

SHERIFF

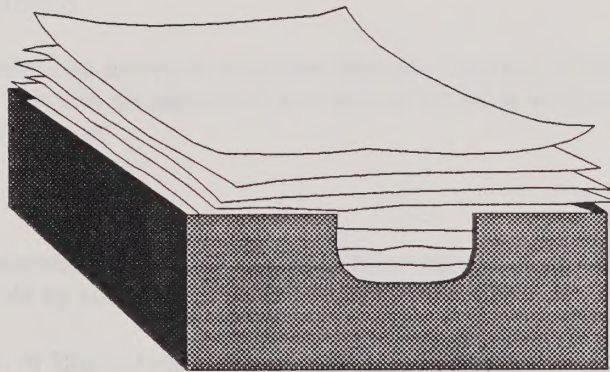
- The Sheriff's Department will participate in a project regarding the evaluation and implementation of Mobile Computer Terminals in patrol vehicles.

OFFICE AUTOMATION PLANS



INTEGRATED BUSINESS AUTOMATION PLAN

OFFICE AUTOMATION PLANS



OFFICE AUTOMATION PLANS

OFFICE AUTOMATION PLANS



AGRICULTURE, WEIGHTS & MEASURES

- Upgrade system software and hardware to bring the department into compliance with County standards.

AIR POLLUTION CONTROL DISTRICT

- Provide hardware and software upgrades and purchases of new systems to maintain monitoring stations and the central computer to comply with California ARB and/or federal EPA automation and reporting requirements.
- Establish electronic customer access to District data, forms, rules and regulations, emissions data, and the status of applications.

ALTERNATE DEFENSE COUNSEL

- Develop automation procedures and systems to insure that administration of remote Small Claims offices is efficient and cost effective.
- Identify areas that offer automation opportunities in order to continue providing the highest levels of service.
- Develop strategic alliances between Alternate Defense Counsel, Public Defender, and Alternate Public Defender to share in the development and use of systems, programs, and data in order to maximize every dollar spent.

ALTERNATE PUBLIC DEFENDER

- Develop strategic alliances between Alternate Defense Counsel, Public Defender, and Alternate Public Defender to share in development and use of systems, programs, and data in order to maximize every dollar spent.

ANIMAL CONTROL

- Expand existing networks. As certain activities become automated other activities become more feasible and desirable to automate.
- The implementation of Chameleon provides computer-assisted dispatch for field patrol officers. The current dispatch facilities need to be redesigned and/or possibly relocated.

CHIEF ADMINISTRATIVE OFFICE

COMMISSION OF CHILDREN, YOUTH AND FAMILIES

- Connect with data base systems in several county departments to acquire and share information electronically.

EXECUTIVE OFFICE

- Evaluate the need for functional reassignment and/or retraining of personnel when automation strategies structurally change established work processes.

- Implement methods of automation to increase staff efficiency.

VETERANS AFFAIRS

- Plan to move the Veterans Affairs office to the Star Warehouse building in 1995.
- Explore obtaining access to DSS mainframe systems to help identify veterans or widows who may be eligible for additional benefits from the Department of Veterans Affairs.

EQUAL OPPORTUNITY MANAGEMENT OFFICE

- Establish a staff-to-microcomputer ratio of 1:1, thereby allowing EOMO operations to be fully automated.

HEALTH SERVICES

- Conduct a feasibility study to identify an automation solution to allow providers and PCS to receive and submit reports electronically.
- CFMS will continue to automate manual patient medical record keeping and evaluate existing proprietary patient medical record applications.
- Continue to automate the vital records and statistics office including the implementation of electronic transfer of information to the Recorder's Office and the State Office of Vital Records and Statistics.
- Enhance automation of Personnel/Payroll systems to:
 - Coordinate with EDP Support to develop blank forms which can be completed electronically.
 - Coordinate with DHR & EDP Support to eliminate the need to type multi-part NCR forms (PANs/RANs) for every new hire.
 - Set up a system to follow up on security checks and disclosure cards.
 - Set up tracking systems for notifying and tracking training, and Service Awards.
 - Explore the feasibility of tracking performance evaluations and generating delinquent lists and letters.
 - Explore the feasibility of getting read only access to DHR's Certification and Risk Administration Physical desk information, and HRMS records of other department's employees.
 - Request an EDP study of Personnel/Payroll tasks and functions for potential automation.
- Explore new software and hardware technologies to enhance the performance of the EMS system.
- Maintain the automation system and upgrade as necessary to increase productivity and delivery of service.

- Upgrade office automation and management decision support capabilities for the Director's office as funds become available.

HOUSING & COMMUNITY DEVELOPMENT

- Monitor current and emerging technologies to increase delivery of services to the public, increase office efficiency, and staff effectiveness.

INFORMATION SERVICES

- DIS intends to continuously upgrade automation tools to improve staff productivity, shorten the system development life cycle, and decrease system maintenance activity. This includes upgrading microcomputer workstations and file servers throughout the department to enable use of Windows-based products and client/server technologies. Specific software tools are or will include IBM's Gupta, SQL Server, Micro Focus Cobol Suite, 4Front/EPSS, WordPerfect's GroupWise and Perfect Office.

LOCAL AREA FORMATION COMMISSION

- LAFCO will automate office systems, including record management, proposal processing and bookkeeping functions.

MUNICIPAL COURTS

- Use standard software and continue to automate the production of correspondence, response to public inquiries, release orders, training materials, and procedure manuals.
- To further increase collections, the Courts should expand payment options to include debit cards. The Courts should also include a payment by credit card option on the Courtesy Notice.
- Develop and implement fax server technology to expand services to the public, maximize current employee system utilization, and increase external communication with other agencies and the public.

PROBATION

- Provide automation for the investigation division of Adult Services at both the Vista and El Cajon offices.
- Expand word processing, E-Mail and access to major applications to include Adult Institutions on the DEC network.

PUBLIC ADMINISTRATOR

- Research the feasibility of replacing the PRIME computer equipment with PCs and off-the-shelf software for task specific applications.

PUBLIC DEFENDER

- Continue the integration of each Public Defender field office with the central office.

PUBLIC WORKS

- Determine the feasibility of automating the current manual procedures of document exchange between the Roads Division sections and other Department and County units as well as outside entities.
- Improve general office automation capabilities in the Construction Engineering Section including the automation of some of the field inspector functions.
- Consolidate various data resources that are now used by Financial Services into a single, menu-driven system that will maximize the ability of users to quickly access and report critical financial information.
- Develop an application to automate the preparation of frequently used personnel forms.
- Automate activities in Environmental Services such as internal tasks, research, cataloging and map drawing, and the sharing of information with other agencies.
- Automate the Land Surveying functions of the Department to increase surveyor's overall productivity and efficiency.

PURCHASING & CONTRACTING

- Establish a satellite warehouse at the East Mesa Detention Facility with access to the County Stores Inventory control system and the COC LAN.

SOCIAL SERVICES

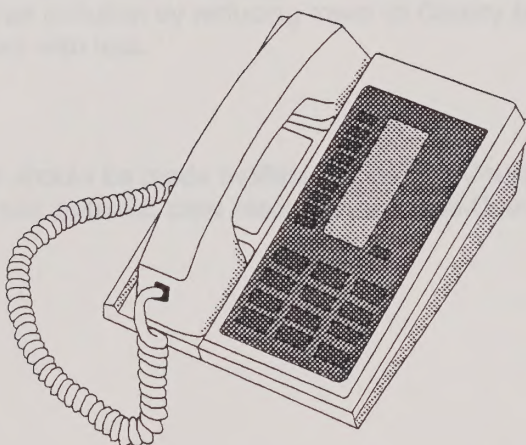
- Develop a system to provide all Conservatorship documents electronically for the courts, attorneys, and court officers.
- Establish standards for integrating data entry and information sharing where the Adult and Employment Services Bureau is in partnership with other agencies.
- Combine and/or eliminate reports that are obsolete to reduce unnecessary printing.
- Evaluate fully automating the continuing eligibility function to enhance worker productivity and reduce errors.
- Initiate a Work Experience Program automation study. Conduct a cost/benefit analysis and develop a plan to secure approvals and needed resources.

SUPERIOR COURT

- Explore methods of providing on-line services to the BAR. These could include electronic filing of cases and electronic access to calendars, judgements and records.

INTEGRATED BUSINESS AUTOMATION PLAN

PUBLIC ACCESS TECHNOLOGY



1. INTRODUCTION

1. The purpose of this study is to investigate the effects of the proposed system on the performance of the participants.

2. LITERATURE REVIEW

2. The literature review shows that there is a need for a system that can help participants to improve their performance.

3. The proposed system is designed to help participants to improve their performance by providing them with a set of tools and resources.

3. SYSTEM ARCHITECTURE

4. The system architecture is shown in Figure 1. It consists of a client and a server.

5. The client is responsible for the user interface and the server is responsible for the data storage and processing.

4. IMPLEMENTATION

6. The implementation of the system was done using the following tools and technologies:

5. RESULTS

7. The results of the study show that the proposed system has a positive effect on the performance of the participants.

8. The results also show that the proposed system is easy to use and can be integrated with existing systems.

9. The results also show that the proposed system can be used by a large number of participants.

10. The results also show that the proposed system can be used by a large number of participants.

11. The results also show that the proposed system can be used by a large number of participants.

6. CONCLUSION

12. The conclusion of the study is that the proposed system has a positive effect on the performance of the participants.



ASSESSOR/RECORDER/COUNTY CLERK

- Investigate Kiosk technology as a means of giving the public at different locations access to a directory of what kind of information they can obtain at Assessor/Recorder/County Clerk offices.

CLERK OF THE BOARD

- Investigate ways in which the department's records may become more accessible to the public with the use of new technologies.
- Investigate the use of "900-Fax Back System" to enhance the delivery of documents to the public.

HEALTH SERVICES

- For Public Health Nursing, investigate the feasibility of patients using terminals to access services at Public Health Centers. Study the feasibility of allowing patients to register themselves in the Public Health Patient Data System (MUMPS/CAL PD COSTAR).

INFORMATION SERVICES

- Implement a County electronic Bulletin Board System including hardware, software, and support that will provide information and County services to the public without having to visit or call a County office. The goal is to make County government more accessible to the public, to reduce traffic congestion and air pollution by reducing travel to County facilities, and to enable County departments to do more with less.

MUNICIPAL COURTS

- A Public Access Kiosk should be made available at various County locations which will allow for information gathering and potential case resolution at a non-Court facility at any time of the day or night.

THE AMERICAN VETERAN COMPANY is a leading provider of financial services to veterans and their families. We offer a wide range of products and services, including life insurance, annuities, and more.

OUR HISTORY

Our history is rooted in the service of our country's veterans. We have been providing financial services to veterans for over 100 years. Our commitment to service is unwavering, and we continue to grow and expand our offerings to better serve our customers.

OUR SERVICES

We offer a variety of financial services, including life insurance, annuities, and more. Our products are designed to provide financial security and peace of mind for veterans and their families. We work closely with our customers to understand their needs and provide personalized solutions.

OUR COMMITMENT

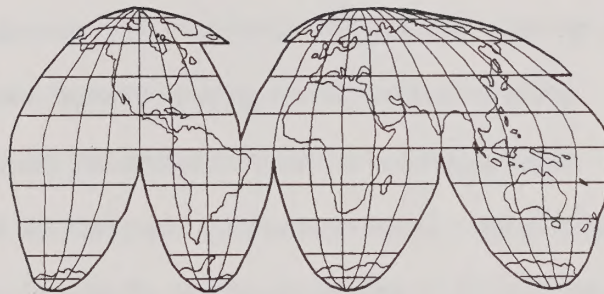
We are committed to providing exceptional service to our customers. We understand the unique challenges faced by veterans and their families, and we strive to provide the support and resources they need. Our dedication to service is a core value of our company, and we are proud to be a part of the American Veteran Company.

CONTACT US

For more information about our services, please contact us today. We are here to help you with all your financial needs. Our team of experts is ready to assist you, and we will work with you every step of the way.

INTEGRATED BUSINESS AUTOMATION PLAN

RUIS PLANS



THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT



ANIMAL CONTROL

- Evaluate the business case for a RUIS RISC-based PC workstation linked to San Diego Data Processing Corporation and implement if appropriate.

ASSESSOR/RECORDER/COUNTY CLERK

- The Mapping Division plans to use RUIS to maintain Assessor parcel numbers. Once TRA boundaries have been added to RUIS, the capability to generate map book indexes, TRA maps, and District maps using Auto/CAD will be possible.

CHIEF ADMINISTRATIVE OFFICE

EXECUTIVE OFFICES

- Continue coordination of RUIS for the County. The CAO's coordination role requires its staff to access ARMS reports and both City and County E-Mail.

GENERAL SERVICES

- Provide access to the geographical information system maintained by San Diego Data Processing Corporation and supported by the SANDAG needs to be identified. Building information and related drawings would be made available for inquiry and/or update input by several divisions within the Department.

PLANNING & LAND USE

- Continue to add Assessor parcel numbers (APN) and addresses as parcel centroid attributes.
- Continue Open Space regional mapping and parcel level mapping.
- Continue map products and analysis support for planning projects.
- Begin Jurisdictional Boundary and General Plan layers in the RUIS data base.
- Refine link between Arc/Info file with MacIntosh files to display in established MacIntosh-based Board of Supervisors format.

PUBLIC WORKS

- The Wastewater Management Division will benefit from access to the RUIS system. All pertinent sewer information must be added to the RUIS Splash layer.
- Expand the availability of RUIS in land development and complete projects identified and prioritized in the previous fiscal year.

REGISTRAR OF VOTERS

- Acquire additional hardware, software and licenses to support the full implementation of RUIS to benefit the Precinct Services Division and the entire department.

5. The Commission shall submit a report to the Council on the progress made in the implementation of the Convention.

ANNEX 2

The Commission shall submit a report to the Council on the progress made in the implementation of the Convention.

ANNEX 3

ANNEX 4

The Commission shall submit a report to the Council on the progress made in the implementation of the Convention.

ANNEX 5

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ANNEX 6

The Commission shall submit a report to the Council on the progress made in the implementation of the Convention.

ANNEX 7

The Commission shall submit a report to the Council on the progress made in the implementation of the Convention.

ANNEX 8

The Commission shall submit a report to the Council on the progress made in the implementation of the Convention.

INTEGRATED BUSINESS AUTOMATION PLAN

- 1. The budget department will coordinate with the county to ensure that the budget department is properly managed, including the budget department's budget for the county department.

INTEGRATED BUSINESS AUTOMATION PLAN

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INTEGRATED BUSINESS AUTOMATION PLAN

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SCANNER/BAR CODING PLANS

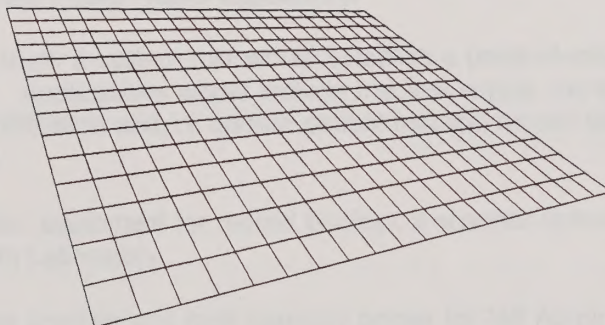
SCANNER/BAR CODING PLANS

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SCANNER/BAR CODING PLANS

- 11. The budget department will coordinate with the county to ensure that the budget department is properly managed, including the budget department's budget for the county department.

THE UNIVERSITY OF CHICAGO

RESEARCH IN CODING THEORY



ASSESSOR/RECORDER/COUNTY CLERK

- Lead a multi-departmental collaborative development project to implement a Fixed Asset and minor equipment inventory management system using bar code technology and PC-based software for use by all County departments.

AGRICULTURE, WEIGHTS & MEASURES

- Add a bar code system printer and laminator to enhance the existing pest detection trap management system.

AIR POLLUTION CONTROL DISTRICT

- Acquire hardware and software to provide bar coding capability for the application filing system to streamline the application filing process.

DISTRICT ATTORNEY

- The DA plans to integrate bar codes into any future LAN-based case tracking system and property management system.

HEALTH SERVICES

- Public Health Services will evaluate hardware and software to allow scanning and OCR capabilities to streamline medical supply management at Public Health Clinic sites, AIDS and Epidemiology, and the Public Health Laboratory.
- PCS and PHN will study a system that would establish a point-of-entry bar coding and magnetic card input system. Applications would include medical supply management and the capability to read patient identification and/or update patient medical record data on a magnetic strip ID or micro chip ID card.
- Purchase optical disk equipment for record backup, a scanner software for graphics applications for the Public Health Laboratory.
- Acquire a document scanner and high capacity printer for MS Administration and Budget.
- Continue to enhance EHS's ability to optically scan images and text for import into new or existing systems by acquiring new scanners and digitizers.
- Continue to develop a system of scanning Sexually Transmitted Diseases clinic encounter and lab data to streamline data entry.
- Use bar code technology to identify and track fixed assets and minor equipment.

HUMAN RESOURCES

- Purchase necessary system hardware and software to implement the use of bar coding for department systems.

INFORMATION SERVICES

ADMINISTRATIVE SERVICES DIVISION

- Implement bar code technology for a minor equipment inventory system.

MEDICAL EXAMINER

- Investigate and evaluate the application of bar code technology to track files and specimens.

PARKS & RECREATION

- Automate supplies management and inventory tracking with a bar code system to streamline the current data entry by keyboard. Long-term, four portable computers with bar-code inventory capability would be acquired and loaned to park facilities to do fixed asset, minor equipment and supply inventories.

PROBATION

- Acquire an inventory control system using bar code technology to improve the management of inventories scattered over 20 county locations.
- Expand the use of bar code readers to assist certain types of data entry in Adult Services.

PUBLIC DEFENDER

- Investigate bar coding and scanning/imaging technology for opportunities to reduce the cost of data collection, storage, and processing.

PUBLIC WORKS

- The Development Review Section needs to automate the tracking, storage and retrieval of data. The Section creates files that could be managed easily if scanned and stored electronically.

PURCHASING & CONTRACTING

- Determine areas in which bar coding will increase productivity and improve accuracy of On-Line Purchasing and Materials Management functions as a labor cost savings opportunity.

REGISTRAR OF VOTERS

- The Administrative, Computer Services and Warehouse Section of the Precinct Services Division all have a need to implement the use of barcoding systems. Evaluate a lease vs. buy option for acquiring the capability to provide barcode data capture using one or more personal computers.
- Increase the current capacity to process Voter Registration Affidavits and provide backup for one signature scanner in the event of an extended period of down time. Implement this plan with the purchase, lease or rental of new or additional scanner and software.

- Expand the use of OCR and scanning technology to reduce overtime hours, improve service delivery, and reduce the need for temporary employees during the development of campaign and voter information documents.

SHERIFF

- The Property/Evidence bar coding system will be expanded to include the jails and substations. Inmates' items for safekeeping will be entered into the system. An interface with the District Attorney's office will be explored.

SOCIAL SERVICES

- Fingerprint and photo identify all applicants/recipients and bar code all cases to coordinate with a bar code on the individuals identification card.

SOFTWARE PLANS



1. The first step in the process of creating a business plan is to conduct a market analysis. This involves researching the industry, identifying potential customers, and understanding the competitive landscape.

2. The second step is to develop a marketing strategy. This includes determining how to reach your target audience, what promotional channels to use, and how to measure the effectiveness of your efforts.

3. The third step is to create a financial plan. This involves estimating the costs of your business, projecting revenue, and determining the break-even point.

4. The fourth step is to write a business plan. This document should outline your business goals, strategies, and financial projections. It is a key tool for securing financing and guiding your business operations.

5. The fifth step is to implement your business plan. This involves putting your strategies into action and monitoring your progress.

6. The sixth step is to evaluate your business plan. This involves reviewing your progress and making adjustments as needed.

7. The seventh step is to update your business plan. This involves revising your strategies and financial projections as your business evolves.

8. The eighth step is to seek feedback. This involves asking for input from others in your industry or from potential customers.

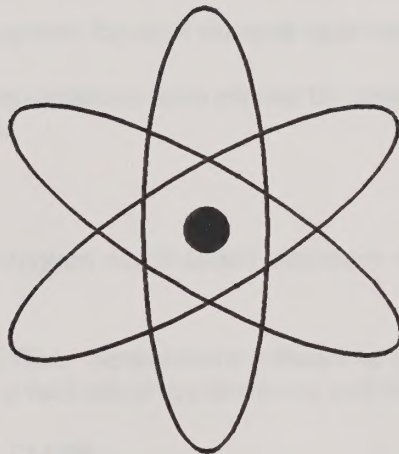
9. The ninth step is to stay motivated. This involves setting goals, staying focused, and celebrating your successes.

10. The tenth step is to be flexible. This involves being open to change and adapting your plan as needed.

11. The eleventh step is to be persistent. This involves staying committed to your goals and not giving up when faced with challenges.

INTEGRATED BUSINESS AUTOMATION PLAN

SOFTWARE PLANS



THE UNIVERSITY OF MICHIGAN LIBRARY

SOFTWARE PLANS



AGRICULTURE, WEIGHTS & MEASURES

- Continue automation of data collection activities for programs including Pesticide Use Enforcement, Animal Damage Control, Agricultural Enforcement, etc.

AIR POLLUTION CONTROL DISTRICT

- Update the database to include newly identified data that responds to state and federal mandates including new accounting procedures, Title V permits, and toxic and criteria pollutants.
- Acquire software for modeling and strategy development from the California ARB, and the federal EPA.
- Acquire the best MacIntosh client software for front-end access to the Rdb relational database to support various District requirements.
- Design and develop software that will automate the emission inventory of both criteria and toxic pollutants to achieve a fully integrated Air Emissions Information System.

ALTERNATE DEFENSE COUNSEL

- Participate in the IJIS development process and REJIS integration with the Case Management Attorney Billing System (CMABS).

ALTERNATE PUBLIC DEFENDER

- Establish an INSLAW type system for adult criminal case management.
- Purchase an exhibit creation system to save money by creating court exhibits in-house instead of paying an outside vendor.

ANIMAL CONTROL

- Develop and implement a program which allows veterinary offices to sell dog license applications.
- Develop customized Field Officer management software to assist field supervisors and managers in monitoring and evaluating field officer performance and workload distribution.

ASSESSOR/RECORDER/COUNTY CLERK

- Re-engineer the current collection of loosely connected property tax systems by means of major enhancements and new development.
- Offload the Unsecured Property Tax System to the Assessor's AS/400. Develop a relational data base that accommodates the current system and procedures that will also accommodate multiple year ownership, detailed personal property cost processing, historical reference information, and that will readily interface with the secured tax roll. Develop a plan that identifies which programs and procedures should be moved to the AS/400 and which programs and procedures should be rewritten. The plan must also include provisions to accommodate access to unsecured information from outside the Assessor's Department. Develop technology to utilize

data from the AS/400 data base on microcomputers by downloading selected data. Use laptop computers and notebook computers to do Audits, Boat Dock Check, and Field Canvass.

- Modify mainframe, minicomputer and microcomputer systems to accommodate legislative and regulatory changes.
- Integrate the existing on-line document indexing system with an automated copy system and a cashiering system to reduce waiting time by the public in requesting and obtaining document copies.
- Use Electronic Data Interchange (EDI) to reduce manual document exchange between various County departments and outside agencies.
- Upgrade various microcomputer-based applications department-wide, such as returned mail correspondence, preliminary notices, and microcomputer-based accounting applications.
- Investigate the use of microcomputer-based systems developed by Riverside County to automate Fish and Game and Notary Publics.
- Develop several DIS mainframe enhancements including:
 - Acquire access to Assessor Sales Verification and Transaction date information by Assessor Parcel Number (APN) to assist the Recorder in the collection of Documentary Transfer Taxes.
 - Enhance the vital records register to allow on-line access to vital records, marriage licenses and copies of real estate register information.
 - Enhance the existing real estate copy order system to allow maintaining copy orders information in the system for efficient on-line access.
 - Automate the cashiering system for vital records, marriage license and copy orders.
- Provide download capabilities to transfer files between mainframe, VAX, AS/400 and microcomputers using RJE, Pathworks, Zstem, etc, to allow integration of the applications residing on these platforms.
- Expand usage of FOCUS on the mainframe and VAX by developing a library of predefined files and reports for management and planning purposes.
- Continue automating the Fictitious Business Names System and develop an interface with the Business Certificate System.
- Study and implement a system to keep the Assessor/Recorder/County Clerk's disaster recovery program on-line to facilitate maintenance and accessibility.
- Automate the Assessor/Recorder/County Clerk filing of the oath cards for Notaries Public using microfilm and a computer index.

AUDITOR & CONTROLLER

- Upgrade or replace the County-wide Accounts Payable System.
- Replace or upgrade the Accounting and Resource Management System (ARMS).

BOARD OF SUPERVISORS (Districts 1 and 3)

- Implement Windows as the operating environment to provide ease of use and consistency between PC applications.

CHIEF ADMINISTRATIVE OFFICE

EXECUTIVE OFFICE

- In conjunction with DIS, evaluate the need to automate the CAO County Goal Management project. The manual system of today allows department heads to submit their annual goals to the CAO.

OFFICE OF INTERGOVERNMENTAL AFFAIRS

- Increase the efficiency of the Bill Referral database system.

OFFICE OF SPECIAL PROJECTS

- Acquire new, and upgrade some existing software packages including a CAD package to support the County facility space planning project currently assigned to SP. Evaluate and provide regular upgrades to LAN software and obtain graphic presentation and/or desktop publication software.

VETERANS AFFAIRS

- Develop a Veterans Award Register data base reporting system to produce State semi-annual reports that are now manually generated.

DISTRICT ATTORNEY

- Replace JURIS for the District Attorney. The plan is to link the JURIS application that does not use a database management system with a state-of-the-art application. The database that resides on the County mainframe will be updated by the departmental computer. Authorized data elements will be accessed by the law and justice community from the mainframe.
- Provide Lawdesk, a CD-ROM-based legal research tool, at each DA branch offices.
- Develop an Executive Information System (EIS) to deliver timely information in a format most useful to the decision maker.
- Automate the District Attorney's Victim/Witness notification system to provide an enhanced level of service.

FARM & HOME ADVISOR

- Develop departmental microcomputer applications. Continue a strategy of automating manual administrative tasks to improve staff productivity and delivery of service.

GENERAL SERVICES

- Develop an automated facilities maintenance management system to provide preventive maintenance scheduling and history, facilities repair history, staff and project planning/scheduling, materials control, maintenance cost analysis, labor utilization analysis, cost projection reporting, work order status, and asset resource management.

HEALTH SERVICES

- Upgrade LAN operating systems and utility software, microcomputer software and VAX minicomputer software to the latest versions. Purchase software as approved and recommended by the Department of Information Services to take advantage of the latest technology.
- Continue to develop and refine FOCUS application programs including reports from ARMS and HRMS data.
- Establish a Regional Managed Care Application for Community Health and Mental Health Services to monitor health outcomes consistent with Federal and State guidelines.
- Develop a Department-wide central patient/client index which crosses service settings to provide access to unduplicated patient and client information. Explore the best means to share common patient data by evaluating the results of pilot projects at Public Health Centers and Community Clinics.
- Allow other divisions within the Department to access and update Management Services' Position Change file, the Position Budget, Revenue Change files, and to display reports from Revenue Budget.
- Expand the number of SPSS software licenses to access the San Diego County Alcohol and Drug Data System (SDCADDs) for additional users and providers. A Social Indicator Data System component of SDCADDs will be installed on a LAN.
- Evaluate acquisition of an automated unit dose medication dispensing system.
- Coordinate with EDP Support and State staff to link the state-wide Women, Infant and Children (WIC) information system with the Public Health automation system.
- Develop a Paradox data entry system for the collection of labor data and implement Invoicing Application Phase III.
- Purchase Windows-based software for Personal/Payroll including Harvard Graphics, OrgPlus, and PC Focus.
- Develop an automated personnel database for use by Public Health Center Managers and Public Health Nursing.

- Enhance the Child Health & Disability Prevention Treatment Reimbursement system to streamline case management, claims payment process and claims review.
- Continue to enhance the Tuberculosis Information system, epidemiological reports, and graphics to meet anticipated data field changes requested by the Center for Disease Control.
- Purchase PC software for MHS MIS including Windows NT, WordPerfect, MenuWorks, Harvard Graphics, Corel Draw, Quattro Pro, Procom Plus, Print Shop, Norton Utilities, and PC Tools.
- Enhance Emergency Medical Services systems. Modify the Trauma Registry to add new data elements as established by the Trauma Registry Task Force. Upgrade the MUMPS databases/hardware to include enhancements developed by the VA hospital and other vendors. Modify the Trauma Mortality Database as established by the State EMS Authority.
- Enhance PCS software including a modification of the Master Recipient Index (MRI) to pharmaceutical codes and a modification of the clinical Report Module to generate reports based on the manual entitled Clinic Survival Guide.
- Automate the Departmental supply ordering process on the VAX to interface with the Supply Center.
- Establish automated outpatient case management chart tracking for Child and Adolescent Services.
- Download Focus database files from the mainframe to the LAN and develop an Executive Information System (EIS) using LAN-based FOCUS/EIS for Windows.
- Acquire FOCUS EDA\SQL for the VAX to use as a tool for developing a departmental EIS.
- Planned San Diego County Psychiatric Hospital activity includes adding databases for Housekeeping records, Occupational Therapy and the Discharge Team.
- The Public Health Laboratory will develop a procedure to download patient laboratory test results to the VAX for later retrieval by staff at Public Health Centers, Mental Health Clinics and the Edgemoor Geriatric Hospital.
- If a FY 94/95 pilot is successful, PHN services activity will be entered in the VAX system. Case management will be enhanced and reliable productivity measures will be provided enabling PHN to record and measure patient compliance and monitor outcomes.
- Implementation of the Edgemoor Geriatric Hospital Information System will continue.
- A revision of diagnostic codes from ICD-9 coding tables to ICD-10 is planned.
- Acquire Windows software for MS Administration and the Budget Division.
- Continue to enhance the CCS System to streamline case management activities and claims payment processing.
- Refine the Healthy San Diego (Medi-Cal Managed Care) information system to better meet system management needs.

- Continue to enhance the Child Health & Disability Prevention (CHDP) systems to promote efficiency and effectiveness including claims review and payment processing.
- Continue implementation of the state-wide Women Infant and Children's system to track clients and provide a case management tool to enhance client services.
- Upgrade and enhance Fiscal systems to include an integrated Summary Accounts Receivable Reporting system.
- Work with DIS to modify the HRMS to include a field for professional licenses, certifications and registrations.
- Enhance Pharmacy systems. Acquire via SDSU, Foundation Unit Dose Packaging & Labeling equipment & software to package and label multiple medications in a single foil unit dose package.
- Upgrade Child-Adolescent services software to the latest versions.
- Enhance Mental Health Services software. This includes upgrading software on all platforms as needed to meet service goals and objectives and to provide connectivity to contract laboratories so lab results can be added to the client file directly.
- Develop MS Administration & Budget applications. Implement an Employee Parking, Room and Equipment Reservation Program, possibly by enhancing the existing Time Management function in All-in-1. Develop an application program for injury, illness, prevention program (AB 198). Implement a Classification Referral Log and Position Control.
- Continue efforts to implement a Long Term Care information system.
- Enhance Public Health Nursing systems. Research automating the ARMS timesheet process by providing payroll with the timesheet data electronically. Automate the calculation of a field Public Health Nursing Acuity Index.
- Pending Healthcare Reform and legislation relating to Medi-Cal Managed Care may necessitate a rewrite of the County Patient Support Data (CPSD) Fileman database system.

HOUSING & COMMUNITY DEVELOPMENT

- Develop additional LAN-based applications to automate manual and data-intensive administrative activities.

HUMAN RESOURCES

- Continue the development of Employee Assistance's Referral Tracking Program to include interfaces with mainframe data and file server storage of the EAP resource data bank.
- Convert the existing position control system to a departmental system with on-line editing features and integrate the system with HRMS data.
- Develop a system for on-line Personnel Action Notices entry and editing. The system would be integrated into the HRMS database.

- Develop a departmental system for on-line Certification entry and editing.
- Develop a County-wide system and interface with integration into the HRMS database for customer department entry of workers' compensation claims forms.
- Develop a County-wide DHR STARPRO system for on-line submission of personnel requests by all customer departments with the capability to track the status of any submitted request. This system should be linked into HRMS interface.

INFORMATION SERVICES

ACCOUNT MANAGEMENT DIVISION

- Acquire upgrades to all LAN software products.

APPLICATION SYSTEMS DIVISION

- Implement a County-wide disaster recovery system and procedures including a "hot site" and a simulated "hot site" recovery test.
- Implement Phase II of the enhanced PLCS system to automatically invoke software such as CA-7, CA-11, DOCU-TEXT, JOB/SCAN and STARPRO as objects are migrated to the production environment.
- Implement revised naming standards for systems and devices on DIS managed information systems platforms including customer department/agency identifiers, system identifiers, userids (ACF2 and E-Mail), dataset names, job names, network device names, report headings, programs, step names, and other related system names.
- Repository Services software will be researched and evaluated. A repository Manager will provide a single point of control for accessing and manipulating application information.
- A full metrics process to measure the performance of the software portfolio will be implemented.
- Implement distributed database interface capability. Evaluate Software AG products NET-WORK and ENTIRE. ENTIRE provides the capability to build client/server applications and utilize workstation application development methodologies for multiple database platforms.
- Continue to provide secure access to files and programs in the data center using tools such as ACF2 and DEFENDER.
- Implement Interagency Justice Information System (IJIS) components including Minor Offense/Criminal, Civil/Small Claims, Fiscal, and Civil Enforcement and Accounting systems.
- Assist with conversion of existing Law and Justice applications/data.
- Assist with development and implementation of IJIS interfaces.
- Implement Interagency Justice Information System (IJIS) components including Inmate Booking Information System (IBIS), JURIS, Want/Warrant, Temporary Restraining Orders, Criminal History, and Records Index systems.

- Assist with conversion of existing Law and Justice applications/data.
- Assist with development and implementation of IJIS interfaces.
- Develop an electronic Purchase Order distribution system which will eliminate the printing and manual distribution of carbonized pre-printed P.O. documents, and replace it with on-line distribution. Purchase Orders will be tracked on-line using an Electronic Mail System.
- Develop a capability for 3rd party approvals which will allow responsible departments to approve other departments' requisitions, prior to reaching Purchasing. This will ensure that Purchasing only receives fully approved requisitions.
- Develop National Institute for Government Purchasing (NIGP) for Stores which will enable the Stores systems to utilize the features and information in the NIGP catalog.
- Eliminate the data entry requirements for outside the County sources for ARMS by developing a CPU to CPU exchange capability.
- Re-engineer the Trust & Accounts Receivable System at the Controller Branch Office to improve the billing, lease/revenue billing, online updating, and interfacing to ARMS and Accounts Receivable capabilities.
- Develop the scope of, and planned usage for an image processing system. The first phase will store Human Resource personnel files, applications, examinations, certifications, bulletins, and workers compensation information, with subsequent utilization by other County departments.
- Replace the Accounts Payable System using client/server and image processing technology.
- Develop and implement a plan to archive court minute orders in a medium other than disk storage; there has been discussion of limiting minute order archives on disk to a period of one or two years.
- Develop and implement a plan for purging REJIS data.
- Enhance the REJIS Dependency system to include Social Worker recommendations to the Court. Currently, these reports are produced within Wordperfect and must be re-entered into the REJIS system.
- Enhance the REJIS Dependency and Delinquency warrant systems to coordinate with the Marshal's warrant system to update in real-time.
- Develop and implement a strategy to provide DEC customers access to any software resource with one log-in process.
- Continue to enhance REJIS through the service request process in support of judicial and legislative mandates.
- Begin planning for a conversion effort to allow eight characters for entry and display of the date (MM/DD/Year). The current system defaults to '19' for century and displays only the last two characters of the year on data entry screens.

- Begin analysis and development efforts to incorporate juvenile offender information and history into the adult law and justice systems.
- Begin analysis and development efforts to incorporate REJIS Dependency data (child abuse case tracking, etc.) into the California state-wide child abuse system.

NETWORK MANAGEMENT DIVISION

- Establish and implement a plan to provide for on-going testing and installation of core LAN software products for County customers.
- Acquire DEC/MCC Enterprise Network Management. The DEC network needs a tool similar to IBM's Netview to monitor vitalink bridges and terminal servers at various sites from the central facility to provide an accurate display of the network in real time.
- Acquire and install products to monitor and troubleshoot all County local and wide area network services.
- Upgrade memory of IBM 3745 front-end processor to support latest release of operating software.
- Acquire and install virus protection software for County LAN services in concert with administrative policy associated with preventing computer viruses.
- Develop specific installation and configuration standards for Windows implementation on County LAN environments.

TELECOMMUNICATIONS DIVISION

- Establish a laptop database system to access the telephone management system that would allow for an line telephone design and provide for immediate add, moves and changes while the Telephone System Specialist is in the field.

GENERAL SERVICES

- Provide an automated facilities maintenance management system to provide:
 - Preventive maintenance scheduling and history
 - Facilities repair history
 - Staff and project planning/scheduling
 - Materials control
 - Maintenance cost analysis
 - Labor utilization analysis
 - Cost projection reporting
 - Work order status
 - Asset and resource management
- Information system application needs will continue to be identified, assessed, and solutions developed using the LAN, departmental standalone systems, or County mainframe system facilities.

LIBRARY

- Use on-line systems for increased efficiency such as the On-line Requisition System and use Focus for ad-hoc reporting.
- Develop enhancements to the joint circulation system, including on-line Public Access Catalogs.
- Continue to improve budgeting (spreadsheet) and reporting capabilities.

MARSHAL

- Continue to integrate Office Automation & Want/Warrant Systems.
- Continue to develop and implement operational and mandatory enhancements as needed in the Want/Warrant System.
- Continue to integrate the Want/Warrant System with other criminal justice applications, as they become available for integration.
- Integrate the Marshal's Civil system and the Restraining Order System to eliminate duplicate data entry.
- Design and develop screens and programs for the Civil LAW Enforcement System that will generate collection receipts.
- Design and develop an automated accounting system that will replace the manual tickler files with on-line files.
- Design and develop an accounting screen for the previous and current ARMS periods which will display balances for each of the seven divisions as well as a summary for all divisions.
- Automate the field services section of the civil division.
- Enhance the LC09 transaction to provide on-line processing for real property levies, recording documents, notices of sale, real property deeds, specialized service tickets, proofs of service to the plaintiffs, and court returns.
- The batch printing of civil forms like Earnings Withholding Orders, Support Orders, Garnishments and mailing labels will be converted to an on-line system using laser printer technology.
- Store reports on-line and develop transactions to allow users to print reports on demand.
- Provide improved management information and facilities access via a data base server and data base software.
- Provide an on-line reporting mechanism for Marshal Supervisors.
- Develop an integrated personnel/training application system.
- Implement an automated inventory control in concert with a global, County-wide effort.
- Develop on-line access and tracking of the status and progress of a background investigation.

- Provide system availability of staff meeting minutes to all appropriate staff.
- Provide the ability to track employee injury cases and their status such as pending retirements and return to work estimates.
- Provide updated listing and description of available training aids such as videos, books, and pamphlets. Provide a listing of personnel qualified to do training that documents their level of qualification.
- Develop a PC/LAN-based Automated Incident Reporting System.
- Develop an on-line Prisoner Tracking System.
- Automate the exchange of temporary restraining order information.

MEDICAL EXAMINER

- Enhance or rewrite the Investigator's Death Reporting System to integrate investigation, laboratory and examining room functions.
- Investigate the use of desktop publishing and graphic presentation software to enhance materials that may be used inter-office as well as those that may be distributed to the public.

MUNICIPAL COURT

- Research, develop, and implement a new automated minor offense system (THESYS) to efficiently process and adjudicate minor offense cases.
- Develop and implement a comprehensive case processing/case management system for the Criminal Division.
- Implement a system to track key personnel statistics to facilitate development of performance evaluations and monitor employee training.

PARKS & RECREATION

- Implement an automated reservation system. The first phase would allow the reservation desk to make picnic and camping reservations with billing and receipt writing capability. Phase II would allow remote park locations to make reservations for park patrons 24 hours per day.

PLANNING AND LAND USE

- Acquire or purchase vendor supplied software for internal PC applications where appropriate including business graphics and project management products.

PROBATION

- Develop and implement a module of the CAS Adult Probation application to replace the obsolete NCR Work Projects application.
- Complete implementation of the adult probation application for all supervision officers.

- Expand access to the Adult Services data base to include officers in the Gang Suppression Unit.
- Acquire access to the General Reporting Evaluation and Tracking (GREAT) national information network to help track gang members and gang activity.
- Automate the Juvenile Services division caseload management functions in a manner similar to the CAS system in Adult Services.

PUBLIC DEFENDER

- Implement an Indigent Defense case management system using existing data in JURIS, REJIS, IBIS, and other existing County systems while continuing to participate in IJIS procurement and implementation.

PUBLIC WORKS

- Evaluate high-end computer-aided design (CAD) products such as Intergraph and McDonnell-Douglas to increase CAD capability to handle large drafting and mapping projects.
- Develop and evaluate a pilot project to route and track approval of forms electronically.
- Provide the Wastewater Management Public Service group electronic access to the Assessor's Parcel Number (APN) database to improve collection of sewer facilities connection fees.
- Develop the Litigations Information Decision System (LIDS) to automate and provide control of several streams of information in the Loss Mitigation section.
- There are a number of Field Operations Section application systems that will be migrated from INFOCEN to a new database engine.
- The Road Management Information system will be upgraded to support the reporting requirements of Field Operations.
- Continue to support and maintain the Automated Local Evaluation in Real Time (ALERT) System which is part of a National Weather Service (NWS) storm warning system. The Hydrology Section of the County Flood Control Division will continue to participate in a program to maintain ALERT hardware and software to standards defined by the NWS.

PURCHASING & CONTRACTING

- Continue the development and implementation of a completely integrated on-line procurement and material management system.
- Implement an automated purchase order process for items on award when the Stores Inventory system reaches an established reorder point.
- Design an on-line fixed asset and minor equipment management application to aid Property Disposal in monitoring property transfers.

REGISTRAR OF VOTERS

- Acquire and install a PC-based or minicomputer-based ballot counting system to backup the main ballot counting system, and to provide a cost/effective capability to count small elections at a remote location.
- Incorporate a full-featured fourth generation language into the existing Data General-resident application to provide both application development and ad-hoc reporting capabilities.

REVENUE & RECOVERY

- Develop requirements for purchasing a PC-based inventory system for inventory control in the stock room.
- Assist the Legal Division by acquiring PC software that will facilitate the production of legal documents.
- Convert the Child Support collections activity from the Accounts Receivable Trust and Accounting System (ARTAS) to a District Attorney administered system. Participate in the DA project with an active role in the replacement of terminals, training of Support Division personnel, testing, and acceptance of the new system.

SHERIFF

- Expand CARS to the remaining patrol stations and the investigative and traffic units.
- A system will be implemented to track correspondence, news articles, press releases, and to maintain data about constituents.
- Procure DEC software which would allow the SoftSwitch software, which is being used for the County-Wide E-Mail system, to be accessed in a time sharing mode versus the current SNARJE based batch processing mode.
- Design and implement RIMS phase II.
- Implement a Jail Information Management System (JIMS).
- Implement RUIS updates to the Computer-Aided Dispatch System.
- Implement an inventory management system.
- Implement a fixed asset tracking system.
- Implement an ASTREA helicopter management system.
- Procure DEC software which will allow the management of VAXs on the network which are not a part of the VAXcluster.
- Procure DEC software which would allow databases to be "split up" between various disk drives and thereby decreasing I/O access time to the data.

SOCIAL SERVICES

- Install the state CWS/CMS System as mandated for the Childrens Services Bureau.
- Implement the Polinsky Childrens Center Tracking System to support foster child care and provide tracking of entry, exit, and progress within the system.
- Evaluate revising the Automated Intake System (AIS) to be more user friendly. Eliminate problem areas and reduce decision points.
- Install the Statewide Automated Welfare System (SAWS). Implementation for San Diego County is planned for 1996 and will eliminate the majority of the WCDS mainframe transactions and batch processes.
- Implement the State Quality Control Information System (QCIS) that will require installation of an eight station LAN.
- Upgrade all PC's to current versions of standard software to insure compatibility throughout the Department.

SUPERIOR COURT

- Continue to work with the Integrated Justice System (IJS) community and other designated bodies to define the requirements for interagency communications and information sharing. The Superior Court will participate in whatever level of implementation and conversion is deemed appropriate by the Superior Court Presiding Judge and the Executive Office.

TREASURER/TAX COLLECTOR

- Modify the current secured taxes tax bill so that it can be printed on colored perforated paper using the XEROX 9790 printer to eliminate the high cost of pre-printed bill stock.
- Complete the Integrated Shared Secured Property Tax System (ISPS).
- Generate an on-line transaction to reflect the history of all refunds for taxes as a result of assessment appeals, overpayment and/or double payment of taxes.

INTEGRATED BUSINESS AUTOMATION PLAN

STAFFING PLANS



THE UNIVERSITY OF CHICAGO
DEPARTMENT OF THE HISTORY OF ARTS
AND ARCHITECTURE

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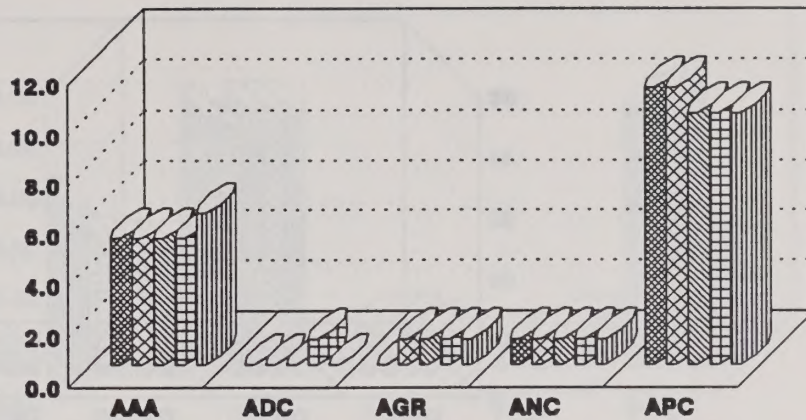
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Departmental I/S Staff Years

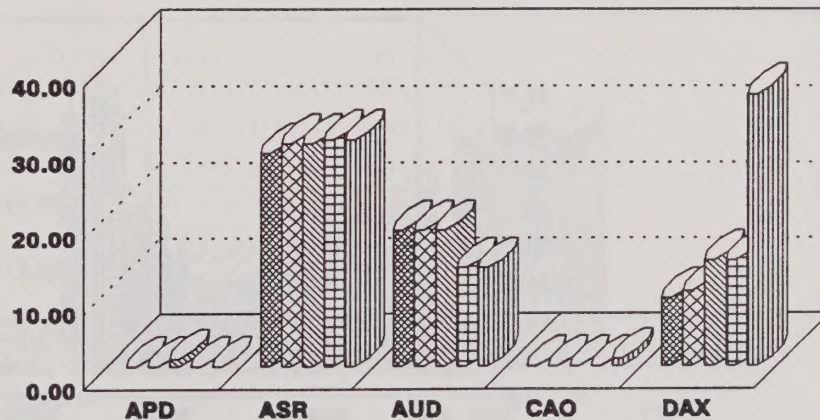


FY 91-92 Staff Years	5.0	0.0	0.0	1.0	11.0
FY 92-93 Staff Years	5.0	0.0	1.0	1.0	11.0
FY 93-94 Staff Years	5.0	0.0	1.0	1.0	10.0
FY 94-95 Staff Years	5.0	1.0	1.0	1.0	10.0
FY 95-96 Planned Staff	6.0	0.0	1.0	1.0	10.0

FY 91-92 Staff Years
 FY 92-93 Staff Years
 FY 93-94 Staff Years
 FY 94-95 Staff Years
 FY 95-96 Planned Staff

Source: A&C and FY 95/96 BAPs

Departmental I/S Staff Years

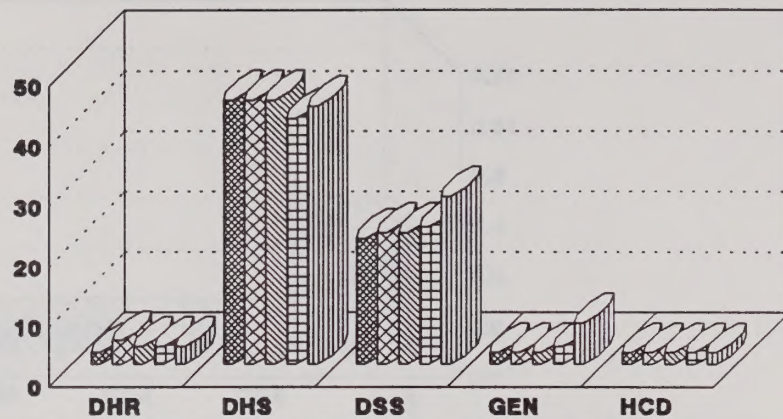


FY 91-92 Staff Years	0.00	28.25	18.00	0.00	9.00
FY 92-93 Staff Years	0.00	29.50	18.00	0.00	10.00
FY 93-94 Staff Years	1.00	29.50	18.00	0.00	14.00
FY 94-95 Staff Years	0.00	30.00	13.00	0.00	14.00
FY 95-96 Planned Staff	0.00	30.00	13.00	1.00	36.00

FY 91-92 Staff Years
 FY 92-93 Staff Years
 FY 93-94 Staff Years
 FY 94-95 Staff Years
 FY 95-96 Planned Staff

Source: A&C and FY 95/96 BAPs

Departmental I/S Staff Years

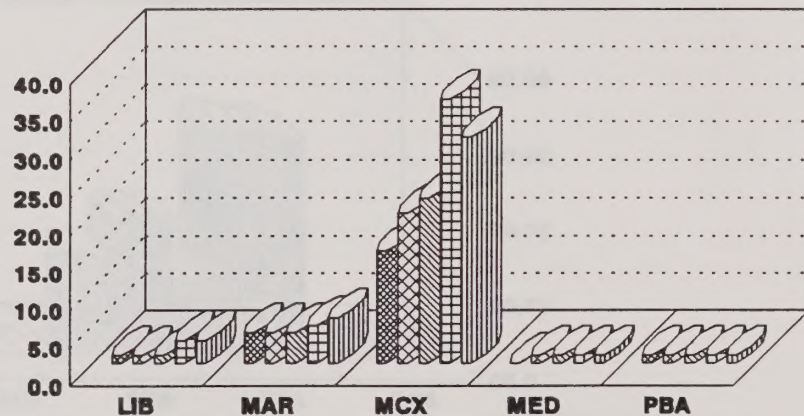


FY 91-92 Staff Years	2	44	21	2	2
FY 92-93 Staff Years	4	44	22	2	2
FY 93-94 Staff Years	3	44	22	2	2
FY 94-95 Staff Years	3	41	23	3	2
FY 95-96 Planned Staff	3	43	28	7	2

FY 91-92 Staff Years
 FY 92-93 Staff Years
 FY 93-94 Staff Years
 FY 94-95 Staff Years
 FY 95-96 Planned Staff

Source: A&C and FY 95/96 BAPs

Departmental I/S Staff Years

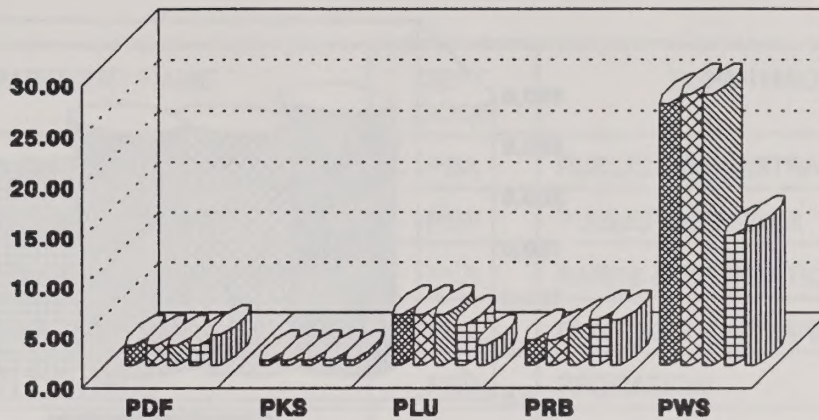


FY 91-92 Staff Years	1.0	4.0	15.0	0.0	1.0
FY 92-93 Staff Years	1.0	4.0	20.0	1.0	1.0
FY 93-94 Staff Years	1.0	4.0	22.0	1.0	1.0
FY 94-95 Staff Years	3.0	5.0	35.0	1.0	1.0
FY 95-96 Planned Staff	3.0	6.0	30.0	1.0	1.0

FY 91-92 Staff Years
 FY 92-93 Staff Years
 FY 93-94 Staff Years
 FY 94-95 Staff Years
 FY 95-96 Planned Staff

Source: A&C and FY 95/96 BAPs

Departmental I/S Staff Years

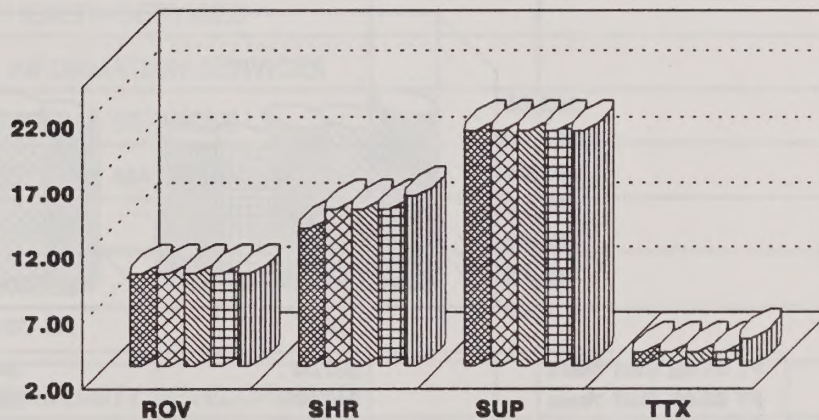


FY 91-92 Staff Years	2.00	0.50	5.00	2.50	26.00
FY 92-93 Staff Years	2.00	0.50	5.00	2.50	26.90
FY 93-94 Staff Years	2.00	0.50	5.00	3.50	26.90
FY 94-95 Staff Years	2.00	0.50	4.00	4.50	13.00
FY 95-96 Planned Staff	3.00	0.50	2.00	4.50	14.00

FY 91-92 Staff Years
 FY 92-93 Staff Years
 FY 93-94 Staff Years
 FY 94-95 Staff Years
 FY 95-96 Planned Staff

Source: A&C and FY 95/96 BAPs

Departmental I/S Staff Years

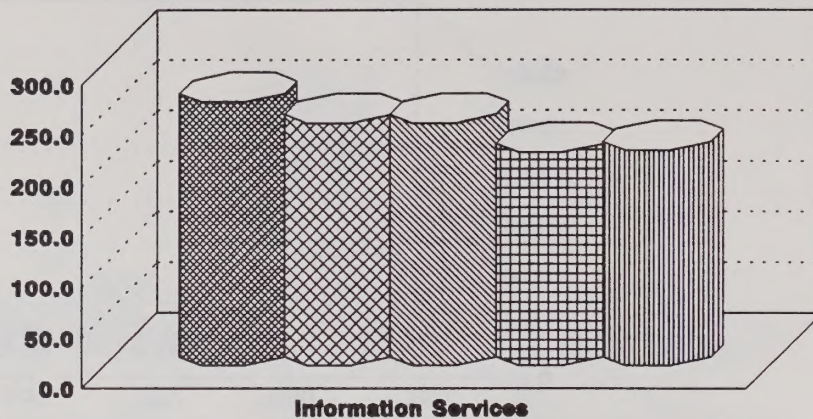


FY 91-92 Staff Years	9.00	12.50	20.00	3.00
FY 92-93 Staff Years	9.00	14.00	20.00	3.00
FY 93-94 Staff Years	9.00	14.00	20.00	3.00
FY 94-95 Staff Years	9.00	14.00	20.00	3.00
FY 95-96 Planned Staff	9.00	15.00	20.00	4.00

FY 91-92 Staff Years
 FY 92-93 Staff Years
 FY 93-94 Staff Years
 FY 94-95 Staff Years
 FY 95-96 Planned Staff

Source: A&C and FY 95/96 BAPs

Departmental I/S Staff Years

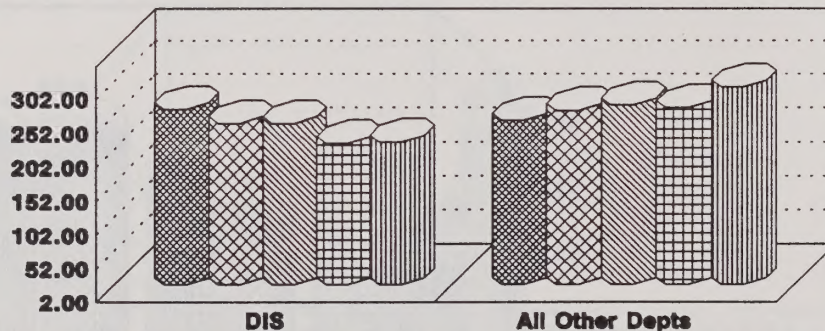


FY 91-92 Staff Years	261.0
FY 92-93 Staff Years	240.0
FY 93-94 Staff Years	240.0
FY 94-95 Staff Years	211.0
FY 95-96 Planned Staff	213.0

FY 91-92 Staff Years
 FY 92-93 Staff Years
 FY 93-94 Staff Years
 FY 94-95 Staff Years
 FY 95-96 Planned Staff

Source: A&C and FY 95/96 BAPs

County I/S Staff Years



FY 91-92 Staff Years	261.00	244.75
FY 92-93 Staff Years	240.00	259.40
FY 93-94 Staff Years	240.00	267.40
FY 94-95 Staff Years	211.00	263.50
FY 95-96 Planned Staff	213.00	294.00

FY 95-96 increase (Decrease): DIS = 2.0 All other Depts. = 30.5

FY 91-92 Staff Years
 FY 92-93 Staff Years
 FY 93-94 Staff Years
 FY 94-95 Staff Years
 FY 95-96 Planned Staff

PERCENT OF TOTAL I/S EMPLOYEES: DIS = 42% ALL OTHER DEPTS. = 58%
 NUMBER OF DEPARTMENTS WITH I/S EMPLOYEES = 23

DEPARTMENT CROSS-REFERENCE

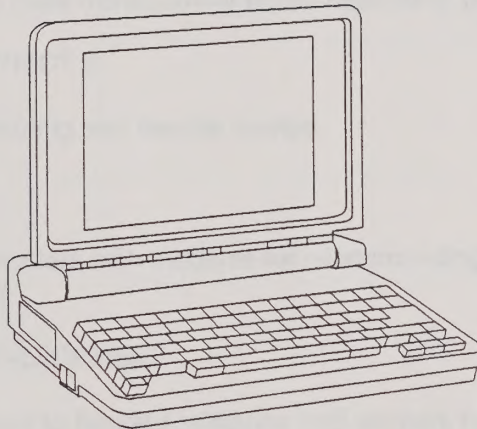
DEPT CODE	DEPARTMENT NAME	DEPT CODE	DEPARTMENT NAME
AAA	AREA AGENCY ON AGING	PBA	PUBLIC ADMINISTRATOR
ADC	ALTERNATE DEFENSE COUNSEL	PDF	PUBLIC DEFENDER
AGR	AGRICULTURE, WEIGHTS & MEASURES	PKS	PARKS & RECREATION
ANC	ANIMAL CONTROL	PLU	PLANNING AND LAND USE
APC	AIR POLLUTION CONTROL	PRB	PROBATION
APD	ALTERNATE PUBLIC DEFENDER	PUR	PURCHASING (AUDITOR)
ASR	ASSESSOR	PWS	PUBLIC WORKS
AUD	AUDITOR & CONTROLLER	REV	REVENUE & RECORDER (AUDITOR)
BOS	BOARD OF SUPERVISORS	ROV	REGISTRAR OF VOTERS
CAO	CHIEF ADMINISTRATIVE OFFICE	SHR	SHERIFF
CCO	COUNTY COUNSEL	SUP	SUPERIOR COURT
COB	CLERK OF THE BOARD	TTX	TREASURER-TAX COLLECTOR
CSC	CIVIL SERVICE COMMISSION		
DAX	DISTRICT ATTORNEY		
DHR	DEPARTMENT HUMAN RESOURCES		
DHS	DEPARTMENT HEALTH SERVICES		
DIS	DEPARTMENT INFORMATION SERVICES		
DSS	DEPARTMENT SOCIAL SERVICES		
EOM	EQUAL OPPORTUNITY MANAGEMENT		
F&H	FARM AND HOME		
GEN	GENERAL SERVICES		
GJU	GRAND JURY		
HCD	HOUSING & COMMUNITY DEVELOPMENT		
LAF	LOCAL AREA FORMATION COMMISSION		
LIB	LIBRARY		
MAR	MARSHAL		
MCX	MUNICIPAL COURTS		
MED	MEDICAL EXAMINER		

2017-2018 BUDGET REQUEST

LINE	DESCRIPTION	AMOUNT	PERCENT
100	GENERAL FUND		
101	ADMINISTRATIVE		
102	CLERICAL		
103	LABORATORY		
104	LIBRARY		
105	MAINTENANCE		
106	RESEARCH		
107	STUDENT SERVICES		
108	TRAVEL		
109	UNEMPLOYMENT		
110	WATER		
111	WASTE		
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INTEGRATED BUSINESS AUTOMATION PLAN

TELECOMMUTING PLANS



THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO



AGRICULTURE WEIGHTS & MEASURES

- Provide automation tools for field workers and operations including Weights and Measures, Pesticide Use Enforcement, and Pest Exclusion. Opportunities include downloading schedules, forms, and maps into laptop computers, collecting data in the field and then uploading the data into the departmental LAN for data compilation, calculation and reporting.

AIR POLLUTION CONTROL DISTRICT

- Establish a telecommuting program that will allow staff access to the District database and network.
- Provide field personnel with equipment to directly enter data that would be transmitted to the District's central computer database.

ANIMAL CONTROL

- Acquire 30 hand-held, IBM computer-compatible field data entry devices for Field Officers. Considerable time is now spent writing up logs, reports, and service requests, that have to be entered into the PC at the shelter.

AREA AGENCY ON AGING

- Purchase laptop microcomputers for both field use and in-office LAN connectivity to provide office automation tools to case management teams regardless of work location.

BOARD OF SUPERVISORS - DISTRICT 2

- Acquire PCs for telecommuting and remote service.

HEALTH SERVICES

- Purchase two laptop computers with modems for telecommuting and for off-site meetings by Personnel and Fiscal staff.

HOUSING AND COMMUNITY DEVELOPMENT

- Provide portable computers to Rental Assistance field workers for on-site data collection, evaluations, and immediate feedback to constituents.

HUMAN RESOURCES

- Acquire hardware and software to enable DHR analysts to work away from the office.

INFORMATION SERVICES

- Information Services intends to have 20% of total staff telecommuting by FY 95/96 year-end. Remote dial-in technology will be implemented to provide secured access to mainframe, VAX, and the CAC LAN using the Defender system.

OPERATIONS AND SOFTWARE DIVISION

- Purchase four laptop microcomputers with dial-up capability for on-call staff.
- Upgrade dial-back equipment to provide expansion of service to customers. This plan will support dial-in service to telecommuters participating in the telecommuting project.

MARSHAL

- The Marshal in conjunction with the Municipal Courts will develop and implement a telecommuting strategy for applicable employees.

MUNICIPAL COURTS

- The Municipal Courts will develop and implement a telecommuting strategy for applicable employees.

PROBATION

- Provide laptops for Adult Services investigating officers to make productive use of time at County jail facilities and make timely documentation of interviews.
- Install and utilize a 32 port Defender system to facilitate telecommuting by 20 officers and 9 clerks. Defender will improve security and enable remote access to court documents. With Defender, telecommuting can be expanded to include more users without compromising the security of the network systems.

PUBLIC ADMINISTRATOR

- Provide laptop PCs for field use to enter estate property descriptions and item numbers on-site.

ALTERNATE OFFICE DESIGN

- Develop and implement an ongoing training plan to ensure maximum utilization of automation.

ALTERNATE PUBLIC DEPARTMENT

- Implement an ongoing training plan to ensure maximum utilization of automation.

ALTERNATE PUBLIC DEPARTMENT

- Provide training, resources, and/or other information support a staff with the necessary knowledge, means to implement an ongoing training plan to ensure maximum utilization of automation.

CHIEF ADMINISTRATIVE OFFICE

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- Provide training, resources, and/or other information support a staff with the necessary knowledge, means to implement an ongoing training plan to ensure maximum utilization of automation.

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COUNTY CHAIRMAN

- Develop and implement an ongoing training plan to ensure maximum utilization of automation.

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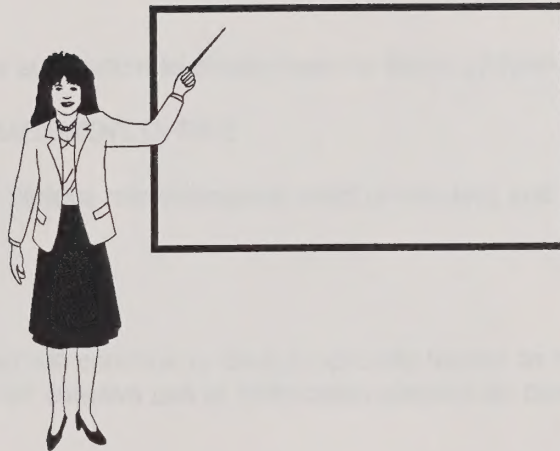
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COUNTY CHAIRMAN

- Provide training, resources, and/or other information support a staff with the necessary knowledge, means to implement an ongoing training plan to ensure maximum utilization of automation.

TRAINING PLANS



ALTERNATE DEFENSE COUNSEL

- Develop and implement an ongoing training plan to insure maximum utilization of automation.

ALTERNATE PUBLIC DEFENDER

- Implement an existing training plan to insure maximum utilization of automation.

ASSESSOR/RECORDER/COUNTY CLERK

- Provide Assessor/Recorder/County Clerk information systems staff with the ongoing training required to maintain or enhance their proficiency and productivity.

CHIEF ADMINISTRATIVE OFFICE

OFFICE OF SPECIAL PROJECTS

- Provide additional staff training in various software applications and ad hoc reporting tools to increase the productivity and quality of work.

VETERANS AFFAIRS

- Enhance staff computer skills and knowledge by providing Windows, WordPerfect, and Paradox training for all staff.

COUNTY COUNSEL

- Train all staff in office automation to enable them to better perform their duties.

EQUAL OPPORTUNITY MANAGEMENT OFFICE

- EOMO plans to offer various microcomputer word processing and spreadsheet training to all staff.

GENERAL SERVICES

- Management and staff will continue to be appropriately trained to improve their knowledge and skills and increase their effective use of information systems as cost effective tools.

HEALTH SERVICES

- Continue an ongoing training program for all staff to assure optimal utilization of computer resources.
- Train staff in other divisions to access mainframe Focus applications developed by the Administration and Budget Division.

MARSHAL

- Ensure that all employees are well-trained on existing systems and software. Provide continuing education to improve and increase job skills.

MEDICAL EXAMINER

- Develop and implement a training plan for all staff to make maximum use of available automation tools.

MUNICIPAL COURTS

- The Courts will provide staff with an aggressive formalized training program to promote the highest degree of productivity.

LOCAL AREA FORMATION COMMISSION

- LAFCO will implement a training program to ensure expansion of staff skills.

PURCHASING & CONTRACTING

- Enhance Purchasing staff computer skills and knowledge through training.

AIR POLLUTION CONTROL ABSTRACT

- 1. Clean air means not only the absence of pollutants in the atmosphere but also the absence of the health and social discomforts and nuisances caused by them.

ALTERNATE PUBLIC UTILITIES

- 1. Requirements for the development of a public utility system are discussed in the context of the integrated business automation plan.

ANIMAL CONTROL

- 1. Video cameras are used to monitor the behavior of animals in the laboratory and the field. The data are used to develop a model of the behavior of the animals.

ARCHIVAL SYSTEMS

VIDEO/FILM PLANS

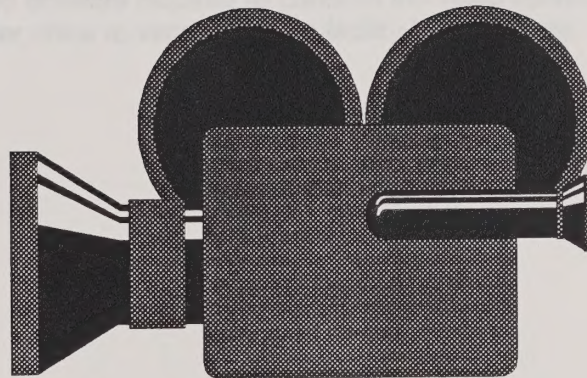
- 1. Discusses the importance of planning, medical technology, and video, and the use of video in the medical field.

ARCHIVAL SYSTEMS

- 1. Discusses the importance of planning, medical technology, and video, and the use of video in the medical field.

AUTOMATIC CONTROL

- 1. Discusses the importance of planning, medical technology, and video, and the use of video in the medical field.



1. Introduction

2. The importance of the study

3. Methodology

4. Results and discussion

5. Conclusion

6. Acknowledgements

7. References



AIR POLLUTION CONTROL DISTRICT

- Obtain hardware and software upgrades to continue to provide improved capability for producing video output for public forum presentations and educational material.

ALTERNATE PUBLIC DEFENDER

- Implementation of video teleconferencing between jail and Alternate Public Defender offices to provide an estimated one to four hours per client visit.

ANIMAL CONTROL

- Public information videos will be developed to improve the dissemination of information about the department, the services provided, and regulations enforced.

MEDICAL EXAMINER

- Evaluate the possibilities of providing medical testimony through video, either live or on tape.

MUNICIPAL COURTS

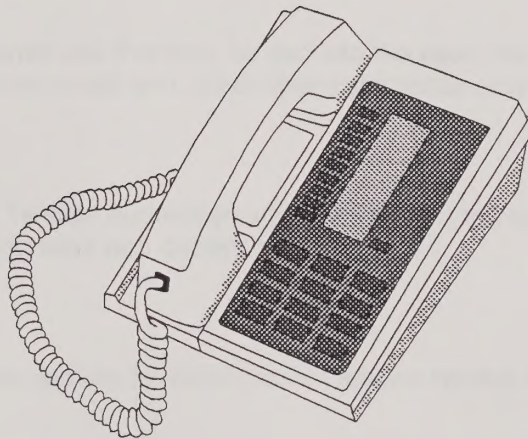
- Develop a courtroom audio/video recording strategy to assure the accurate preservation of the official court record.

PUBLIC DEFENDER

- Obtain hardware and software required to continue the video conferencing links which will join each Public Defender office to each detention facility in the County.

INTEGRATED BUSINESS AUTOMATION PLAN

VOICE RESPONSE/TELEPHONE PLANS



STANDARD SERVICE INFORMATION

VOICE RESPONSE TELEPHONE PLANS



ALTERNATE PUBLIC DEFENDER

- Obtain voice mail for the downtown office to make message capture and retrieval more efficient.

ANIMAL CONTROL

- Add voice mail capabilities to all animal shelters.

BOARD OF SUPERVISORS (Districts 2 and 3)

- Implement voice mail/voice response either as a fax-on-demand or a general public information utility.

CHIEF ADMINISTRATIVE OFFICE

OFFICE OF SPECIAL PROJECTS

- Enhance telephone communication capabilities to include phones with unique rings and flexible volume control, and conversation recording capabilities.

CLERK OF BOARD

- Implement voice response for sections of the Clerk of the Board to answer routine inquiries from the public.

DISTRICT ATTORNEY

- Acquire a voice response unit that may be tied into the case status system to enable anyone with a touch tone phone to call and obtain their case status at any time.

FARM & HOME ADVISOR

- Replace the obsolete Teletips automated attendant system to continue providing information to the public via dial-in inquiries with current technology.

HUMAN RESOURCES

- Install a voice response system for divisions that answer routine inquiries from the public and County employees.

MUNICIPAL COURTS

- Expand the voice mail capability of the various Court facilities to provide enhanced service to the public and maximize staff productivity.
- Some or all of the Courts may likely implement Voice Response technology to address public information needs.

PROBATION

- Implement voice mail in all 20 department locations and a voice response system in those sections that answer routine inquiries from the public.



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REGISTRAR OF VOTERS

- Purchase and install a computer-based system to direct incoming calls and provide answers to simple and complex voter questions.

SOCIAL SERVICES

- Upgrade the Adult Protective Services call sequencer. The current call sequencer was obtained from salvage and is dysfunctional. A new eight line sequencer is required.